

**AN ORDINANCE APPROVING A PLAT OF RESUBDIVISION AND A
SPECIAL USE PERMIT FOR A MAJOR CHANGE
TO THE “RAMBLING ROSE” PLANNED DEVELOPMENT
TO AUTHORIZE THE “QUIKTRIP” REDEVELOPMENT
(4001-4025 Algonquin Road)**

WHEREAS, B&B Center Management, LLC (“*Owner*”) owns the property commonly known as 4001-4025 Algonquin Road, as legally described in **Exhibit A** (collectively, “*Subject Property*”), which is within the City’s C-2 “Corridor Commercial” District; and

WHEREAS, the Subject Property is located within, and subject to, the regulations of the “Rambling Rose” Planned Development approved by Resolution of the Rolling Meadows City Council on April 25, 1967, as amended from time-to-time, notably by Resolution No. 92-R-49 approving the construction of a shopping center upon the Subject Property (“*Subject PD*”); and

WHEREAS, within Chapter 122 of the Rolling Meadows Municipal Code (“*Zoning Regulations*”), Division 4 of Article VI (“*PD Regulations*”) sets forth a process for the City to authorize planned developments as a special use, which may include providing flexibility in the application of the Zoning Regulations without the demonstration of a hardship; and

WHEREAS, the QuikTrip Corporation (“*Developer*”), who holds a contractual interest in the Property and has Owner’s consent to apply for zoning relief for the Subject Property, has proposed to clear, resubdivide, and redevelop the Subject Property to create two principal lots and an outlot; develop one principal lot thereby created as a “gas/fueling station” (being a special use within the underlying zoning district); and modify the site plan of the Subject Property consistent with its proposed reuse (collectively, the “*Redevelopment*”), which the City finds to be a major change to the Subject PD pursuant to the PD Regulations; and

WHEREAS, after notice was duly provided as required by the Zoning Regulations, the PZC conducted a public hearing on December 3, 2024 to consider (i) a special use permit to approve the major change to the Subject PD and thereby authorize the Redevelopment, including the concurrent approval of the Preliminary Plan and Final Plan of the Redevelopment; (ii) the concurrent preliminary and final approval of a proposed Plat of Resubdivision; and (iii) as any other zoning relief requested to complete the Redevelopment (“*Requested Relief*”); and

WHEREAS, after taking and considering all testimony presented at the public hearing, the PZC made the findings of fact enumerated in **Exhibit B** and recommended that the City Council approve the Requested Relief; and

WHEREAS, the Corporate Authorities of the City of Rolling Meadows have determined that it would be in the best interest of the City to approve the Requested Relief in accordance with, and subject to, the conditions, restrictions, and provisions of this Ordinance.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Rolling Meadows, Illinois:

Section 1: Recitals.

The recitals set forth above are incorporated herein by reference as the true and correct findings of the Corporate Authorities.

Section 2: Approval of Subdivision.

- A. Approval of Final Plat. The “Final Plat of Subdivision for QT 4423 Addition” as prepared by Farnsworth Group dated November 8, 2024 and a copy of which is attached hereto as ***Exhibit C (“Plat”)***, is hereby approved in substantially the form attached pursuant to Chapter 98 of the Municipal Code and the City’s home rule authority.
- B. Authorization. The Mayor, the Deputy City Clerk, and all other necessary officers of the City are hereby authorized and directed to execute and seal, on behalf of the City, the Plat, following execution by applicant and any other party with an interest in the Subject Property, and subject to certification by the Office of the Cook County Clerk that there are no property tax delinquencies, as well as all other certifications as necessary.
- C. Recordation. The City Manager is hereby directed to cause the recording of the Plat with the Office of the Cook County Clerk upon satisfactory completion of all administrative details relating thereto.

Section 3: Approval of Major Change to the Subject PD.

Pursuant to the standards and procedures set forth in the PD Regulations and the City’s home rule authority, and subject to and contingent upon the conditions, restrictions, and provisions set forth in Section 4 of this Ordinance, the City hereby approves a special use permit for a major change to the Subject PD to authorize the Redevelopment to occur within the Subject Property, together with any necessary modifications to the underlying C-2 District zoning regulations and the Subject PD. In the case of a conflict between this Ordinance and either the Zoning Ordinance or the Subject PD, this Ordinance shall control. Nothing in this Ordinance modifies: (i) the underlying zoning district assignment of the Subject Property, which shall remain C-2 “Commercial Corridor” District, or (ii) any provision of the Subject PD except as applied to the Subject Property.

Section 4: Approval of Final Development Plan.

- A. Initial Plans for Lot 1. Subject to and contingent upon the conditions, restrictions, and provisions set forth in Section 4 of this Ordinance, the City hereby approves, pursuant to the PD Regulations and the City’s home rule authority, the Developer’s “***Final Development Plan***” for Lot 1 of the Plat consisting of the following documents attached as **Group Exhibit D** (collectively “***Plans***,” and as originally attached hereto the “***Initial Plans***”):
 - 1. Building Elevations prepared by QuikTrip Corporation and consisting of 2 sheets with the latest revision date of 11/11/2024;
 - 2. Sign Package prepared by Allen Industries consisting of 20 sheets with the latest revision date of 11/27/2017;
 - 3. Engineering Plans prepared by Midwest Design Group Kansas City and consisting of 16 sheets with the latest revision date of 11/11/2024, including Sheet C030, being the “***Demolition Plan***” for the Subject Property in its entirety; and,
 - 4. Preliminary Stormwater Drainage Report prepared by Midwest Design Group Kansas City and consisting of 41 pages dated 11/11/2024.

- B. Reviewed Plans for Lot 1. Prior to the issuance of any building permit in furtherance of the Redevelopment upon Lot 1 of the Plat, the Zoning Administrator shall have reviewed and approved a final, construction-ready version of each Initial Plan listed in Section 3(A) of this Ordinance (each a "**Reviewed Plan**"). Upon approval by the Zoning Administrator, each Reviewed Plan shall, automatically and without further action by the Corporate Authorities, be deemed to be incorporated in, and made a part of the Final Development Plan and this Ordinance and shall, for all purposes in this Ordinance, supersede and replace the respective Initial Plan within the Plans. Each Reviewed Plan shall:
1. Be consistent with every other Reviewed Plan, such that the Reviewed Plans collectively will depict the Redevelopment without conflict or ambiguity;
 2. Substantially conform to the respective Initial Plan as determined by the Zoning Administrator, except as may be necessary to comply with all applicable federal, state, and City statutes, ordinances, resolutions, rules, codes, and regulations ("**Requirements of Law**") including, without limitation: this Ordinance, the Zoning Regulations (except as modified by the Subject PD and this Ordinance), and Chapters 18 (Building), 110 (Utilities), and 114 (Vegetation) of the Rolling Meadows Municipal Code;
 3. Have been approved by any other governmental agency in satisfaction of the applicable Requirements of Law, including, without limitation: the Illinois Department of Transportation; the Illinois Environmental Protection Agency; and the Metropolitan Water Reclamation District of Greater Chicago ("**MWRD**") pursuant to its Watershed Management Ordinance ("**WMO**"); and,
 4. Specific Changes to Reviewed Plans. The Reviewed Plans shall incorporate the following modifications:
 - i. Sidewalk. Continue the sidewalk along the east side of Arbor Drive northward to the Frontage Road pavement.
 - ii. Demolition and Abandonment. Pursuant to the Requirements of Law and to the satisfaction of the City Engineer: (i) abandon the existing water service lines within the Subject Property; and (ii) within the City's right-of-way, including the right-of-way dedicated by the Plat, remove the full depth of all pavement, foundations, footings, etc.
 - iii. Parkway Trees. Pursuant to the Requirements of Law and to the satisfaction of the City Forester, either: (i) relocate six trees shown along Frontage Road to the right-of-way, or (ii) add additional parkway trees within the right-of-way.

- C. Development Plan and Use of Lot 2. Subject to and contingent upon the conditions, restrictions, and provisions set forth in Section 4 of this Ordinance, the City hereby approves, pursuant to the PD Regulations and the City's home rule authority, the use and development of Lot 2 of the Plat consistent with the Subject Property's underlying C-2 "Commercial Corridor" District zoning district, as may be amended from time to time. **The Development Plans for Lot 2 may include the redevelopment of a portion of the existing shopping center. In this case, the City shall receive written notice of an agreement between the appropriate parties authorizing a sale of Lot 2 prior to issuance of a permit for demolition of the shopping center.** The Zoning Administrator may approve as a minor change to the Subject PD any such development as being consistent with the concept and intent of the Subject PD.
- D. Development Plan and Use of Outlot A. Subject to and contingent upon the conditions, restrictions, and provisions set forth in Section 4 of this Ordinance, the City hereby approves, pursuant to the PD Regulations and the City's home rule authority, the use and development of Outlot A of the Plat exclusively for any of the following uses: landscaping; open spaces and recreational areas; stormwater management facilities; and surface parking for visitors, residents, and/or employees of a principal use within the Subject PD. The storage of commercial vehicles, equipment, materials, or supplies of any and every type or nature shall be prohibited upon Outlot A, except that the Zoning Administrator may provide written approval on a temporary basis for the storage of equipment, materials, or supplies to be used for snow and ice management exclusively within the Subject PD.

Section 5: Conditions of Approval.

Each and every approval granted in Sections 3 and 4 of this Ordinance is hereby expressly subject to and contingent upon each of the following conditions, restrictions, and provisions:

- A. No Authorization of Work. The approvals granted pursuant to this Ordinance do not authorize the development, construction, reconstruction, alteration, demolition, or moving of any buildings or structures on the Subject Property, but merely authorize the preparation, filing, and processing of applications for any permits or approvals that may be required by the codes and ordinances of the City, including, without limitation, any demolition and building permits.
- B. Compliance with Plans. Except for minor changes and site work approved by the Zoning Administrator and any authorized minor changes to the Subject PD, the Business and the Subject Property must be developed, used, and maintained in substantial compliance with the Plans.
- C. Compliance with Applicable Law. In addition to the other specific requirements of this Ordinance, the Redevelopment, the Subject Property, and all operations conducted thereon and therein must comply at all times with all applicable Requirements of Law, including, without limitation: this Ordinance, the MWRD WMO, the Zoning Regulations (except as modified by the Subject PD and this Ordinance), and Chapters 18 (Building), 110 (Utilities), and 114 (Vegetation) of the Rolling Meadows Municipal Code.
- D. Landscaping Maintenance.
1. In addition to any other applicable requirement of the Zoning Regulations, Developer must maintain the landscaping within the Subject Property on

an ongoing basis in a safe and healthy manner in accordance with the Plans; consistent with good arboriculture and landscaping practices; and in a manner that prevents any hazards to persons, property, and other vegetation.

2. If any of the landscaping within the Subject Property becomes diseased, distressed, dead, or dangerous, the Developer must cause such landscaping to be treated or removed and replaced.
3. If, for whatever reason, any of the landscaping depicted on the Final Landscape Plan is removed, destroyed, or fails to survive, Developer shall, not later than the next planting season occurring at least 30 days after Developer receives notice from the City, replace such plantings with substitute plantings that substantially conform to the size and type of the original plantings, as depicted on the Plans and as approved by the Zoning Administrator.

E. Construction Timeline.

1. Revised Plan and Construction Deadline. Except for signage, Developer shall submit all Revised Plans and commence construction of the Redevelopment of Lot 1 of the Plat and all work shown in the Final Demolition Plan no later than June 1, 2025. The Corporate Authorities may provide, by Resolution duly adopted, an extension to this deadline for good cause shown and without a public hearing.
2. Diligent Pursuit. In the event the Developer commences construction of the Redevelopment, Developer shall pursue, or cause to be pursued, all required redevelopment, demolition, construction, and installation of structures, buildings, and private improvements authorized by this Ordinance in a diligent and expeditious manner and in compliance with all applicable Requirements of Law.
3. Completion of Demolition. No new Certificate of Occupancy may be issued within the Subject Property until and unless Developer substantially completes all work shown within the Demolition Plan to the satisfaction of the City.
4. Completion Deadline. No later than March 1, 2026, Developer shall substantially complete the Redevelopment of Lot 1 of the Plat in accordance with the Plans. The Corporate Authorities may provide, by Resolution duly adopted, an extension to this deadline for good cause shown and without a public hearing.

Section 6: Enforcement.

- A. The City shall not be obligated to issue, and may withhold, building permits, certificates of occupancy, and other approvals: (i) that do not completely comply with and satisfy the conditions, restrictions, and provisions of this Ordinance; or, (ii) if, at the time of application for such approval, Developer or the Redevelopment is not in compliance with this Ordinance or any other permit issued in furtherance of the Redevelopment.

- B. Upon failure or refusal of Developer to comply with any or all of the conditions, restrictions, or provisions of this Ordinance, the approvals granted in Section 3 and 4 of this Ordinance may, at the sole discretion of the Corporate Authorities, by ordinance duly adopted, be revoked and become null and void and of no force and effect.

Section 7: Ordinance to Run With The Land.

The privileges, obligations, and provisions of each and every section and provision of this Ordinance are for and inure to the benefit of and run with and bind the Subject Property, unless otherwise explicitly set forth in this Ordinance. They shall be binding upon the Developer, upon any and all of the Developer's heirs, successors, and assigns, and upon any and all of the successor legal or beneficial owners of the Subject Property, and references to "**Developer**" in this Ordinance shall refer to and bind any such successor legal or beneficial owner.

Section 8: No Third-Party Beneficiaries.

Nothing in this Ordinance shall create, or shall be construed or interpreted to create, any third-party beneficiary rights.

Section 9: Effective Date.

This Ordinance shall be in full force and effect from and after its passage, approval, and publication in pamphlet form in the manner provided by law.

PASSED AND APPROVED by the City Council of Rolling Meadows, Cook County, Illinois this 14th day of January, 2025.

AYES: Boucher, Reyez, Koehler, McHale, Budmats, O'Brien

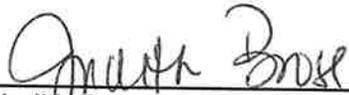
NAYS: 0

ABSENT: Vinezeano



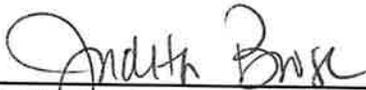
Lara Sanoica, Mayor

ATTEST:



Judith Brose, Deputy City Clerk

Published this 21st day of January, 2025.



Judith Brose, Deputy City Clerk

EXHIBIT A

Legal Description of the Subject Property

THAT PART OF THE EAST 40 RODS OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 41 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 12; THENCE NORTHWARD ALONG THE EAST LINE OF THE SAID NORTHEAST 1/4 OF THE NORTHEAST 1/4, NORTH 00 DEGREES, 17 MINUTES, 18 SECONDS WEST, A DISTANCE OF 140.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING NORTHWARD ALONG THE SAID EAST LINE OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, NORTH 00 DEGREES, 17 MINUTES, 18 SECONDS WEST, A DISTANCE OF 337.76 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY LINE OF ALGONQUIN ROAD (ROUTE 62) AS ESTABLISHED BY CONDEMNATION TAKING ACCORDING TO CASE NUMBER 62S21132; THENCE NORTHWESTWARD ALONG THE AFORESAID SOUTHERLY RIGHT OF WAY LINE, BEING A CURVED LINE CONVEXED TO THE SOUTHWEST OF 5854.65 FEET IN RADIUS, HAVING A CHORD OF 556.32 FEET ON A BEARING OF NORTH, 71 DEGREES, 22 MINUTES, 23 SECONDS WEST, FOR AN ARC LENGTH OF 556.53 FEET; THENCE SOUTH 83 DEGREES, 10 MINUTES, 24 SECONDS WEST, A DISTANCE OF 68.15 FEET TO THE NORTHEAST CORNER OF ARBOR DRIVE, A PUBLIC ROADWAY DEDICATED AS PART OF RAMLIN ROSE ESTATE UNIT NO. 1, ACCORDING TO THE PLAT OF SUBDIVISION RECORDED MARCH 1, 1965, AS DOCUMENT NUMBER 19394286; THENCE SOUTHWARD ALONG THE EASTERLY LINE OF AFORESAID ARBOR DRIVE, SOUTH 00 DEGREES, 17 MINUTES, 18 SECONDS EAST, A DISTANCE OF 272.98 FEET TO THE NORTHERLY CORNER OF LOT 1 OF SAID RAMLIN ROSE ESTATES UNIT NUMBER 1; THENCE SOUTHEASTWARD ALONG THE NORTHERLY LINE OF SAID LOT 1, AND AN EXTENSION OF SAID LINE, SOUTH 68 DEGREES, 30 MINUTES, 23 SECONDS EAST, A DISTANCE OF 639.67 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

PIN: 07-12-203-010-0000

Commonly known as: 4001-4025 Algonquin Road

EXHIBIT B

PZC's Findings of Fact

[Attach Applicant's Proposed Findings]

Standards

1. **Potential Impact:** The Special use will not unduly impact adjacent or nearby properties or the general health, safety, and welfare of the general area and overall community. This development will provide ingress and egress that will provide smooth traffic flow also provided a TIS. Our appearance and character include an esthetically pleasing design that includes landscaping, lighting state of the art materials, that will improve the current conditions.
2. **Consistency:** Our development is consistent with the surround area and will meet zoning requirements set fort by the city. We will provide a service to the community that we believe is needed in the area. Our development will comply with city ordinances and will have the industry standard equipment.
3. **Trend of Development:** Nearby development include retail, services, or similar commercial facilities in nature. This special use will not interfere with the use and development of adjacent or nearby properties.
4. **Public Facilities:** This development will have adequate connections for water, sewage, and waste disposal. Our site will adhere to all state and local codes for providing public services while maintaining the industry standard for design and equipment used.
5. **Site Design:** The development will have a user-friendly layout with designated areas for fueling, parking, and store access, minimizing conflicts between vehicles and pedestrians. Landscaping and green areas around the perimeter will preserve existing natural features and enhance the site's visual appeal, creating a more pleasant environment for customers and nearby residents.
6. **Character and density of land use:** The development will be designed to suit the physical characteristics of the site, preserving as much open space as possible and maintaining low profile that aligns with the surrounding businesses. Landscaping with native plants and sustainable materials support an attractive, eco-friendly environment. Our development requires minimal municipal resources and does not burden local schools or other services. It will also incorporate features that ensure minimal impact on city infrastructure. For parking, the layout anticipates flow, with parking and fueling areas arranged to prevent spillover into surrounding streets.
7. **Economic feasibility and impact:** Our development will create local jobs, both during construction and for ongoing operations. Additionally, by providing a reliable and convenient service, our development will strengthen the areas commercial sector and contributes to business growth in the area.
8. **Engineering design standards:** Our site layout is designed for entrances and exits to comply with city standards, ensuring safe access without interfering with nearby streets. We provide adequate spaces for vehicles to come in and out of our site safely. For stormwater

management, our system will control runoff, reducing any potential environmental impact. Outdoor lighting will meet safety needs without causing excessive light pollution. The development will also have paths for pedestrians and bike storage areas away from vehicular access areas for safety of our customers.

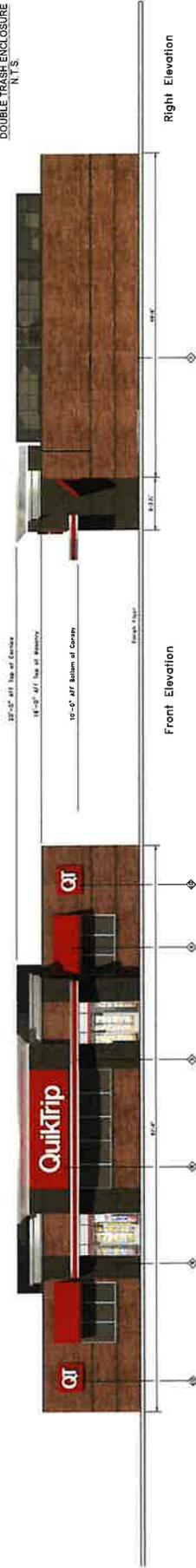
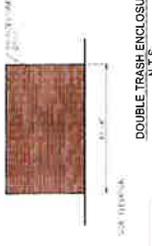
9. Preservation and maintenance of open space: Landscaped green areas and buffers around the development will enhance the appearance and provide green space for the community, with ongoing maintenance handled by our in-house facility team to ensure these areas remain attractive and well-kept.
10. Implementation schedule: A phased schedule will be provided to the city as the city requests. The schedule will be better pin pointed once approvals are given.

EXHIBIT C

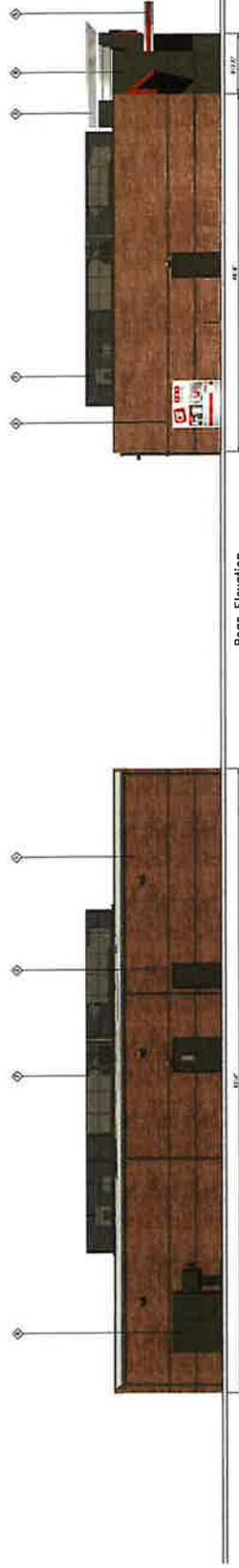
Plat of Resubdivision

GROUP EXHIBIT D

Plans



Right Elevation



Left Elevation



QuikTrip.
4700 South 7th Street
Tomball, TX 77375
Phone: 281-291-4444
Fax: 281-291-4445
Web: 800-777-7700

Store # **4423** G3S Building Elevations

Scale: **1/8" = 1'-0"**

Issue Date: **11/11/2024**

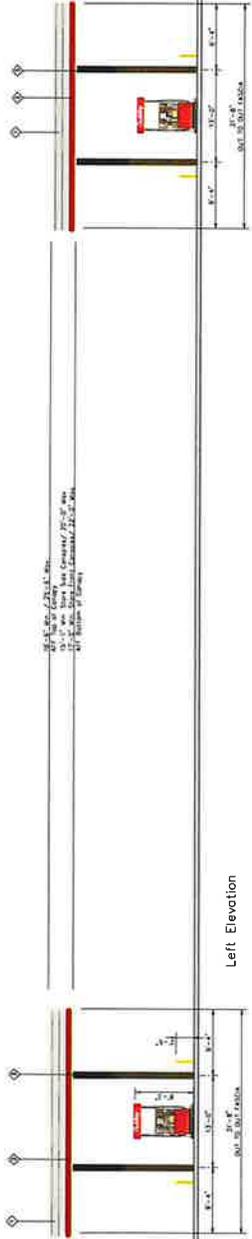
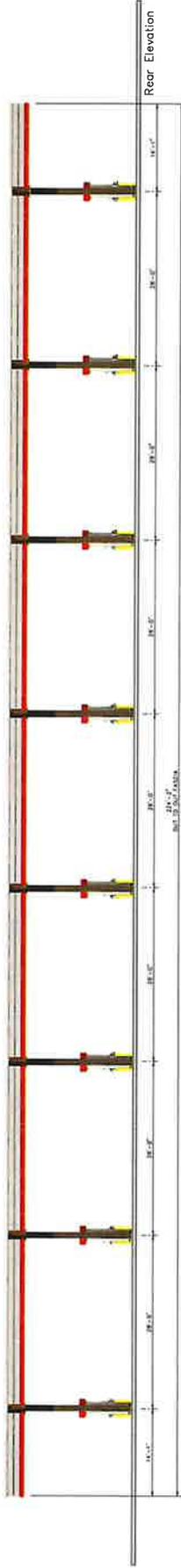
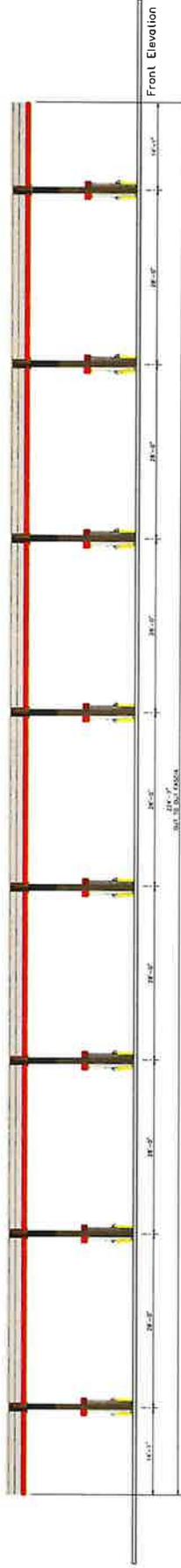
Drawn By: **JK**

City / State: **Rolling Meadows, IL**

Address: **Arbor Drive & Frontage Road**

Manufacturer:

NO. 1	QUICKTRIP
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NO. 49	QUICKTRIP
NO. 50	QUICKTRIP



City of City, IL
 123 W. Main St.
 City, State, Zip

Quikrip
 4100 S. Main St., Suite 100
 Chicago, IL 60608
 Phone: 773-555-1234
 Fax: 773-555-5678

Store # 4423 Vertical 8 Canopy Elevations
 Address: Arbor Drive & Frontage Road
 City, State
 Rolling Meadows, IL
 Scale: 1/8" = 1'-0"
 Issue Date: 11/11/2024
 Drawn By: [Name]

ITEM	MANUFACTURER	DESCRIPTION
1	QUIKRIP	VERTICAL 8 CANOPY
2	QUIKRIP	ROOF PANELS
3	QUIKRIP	POSTS
4	QUIKRIP	ANCHORS
5	QUIKRIP	BRACKETS
6	QUIKRIP	VALANCES
7	QUIKRIP	WIND BRACES
8	QUIKRIP	WIND BOLTS
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APPROVED BY: [Signature]
 DATE: 11/11/2024
 PROJECT NO: 2024-001

QUICKTRIP No. 4423
 ARBOR DRIVE & FRONTAGE ROAD
 ROLLING MEADOWS, COOK COUNTY, IL 60008

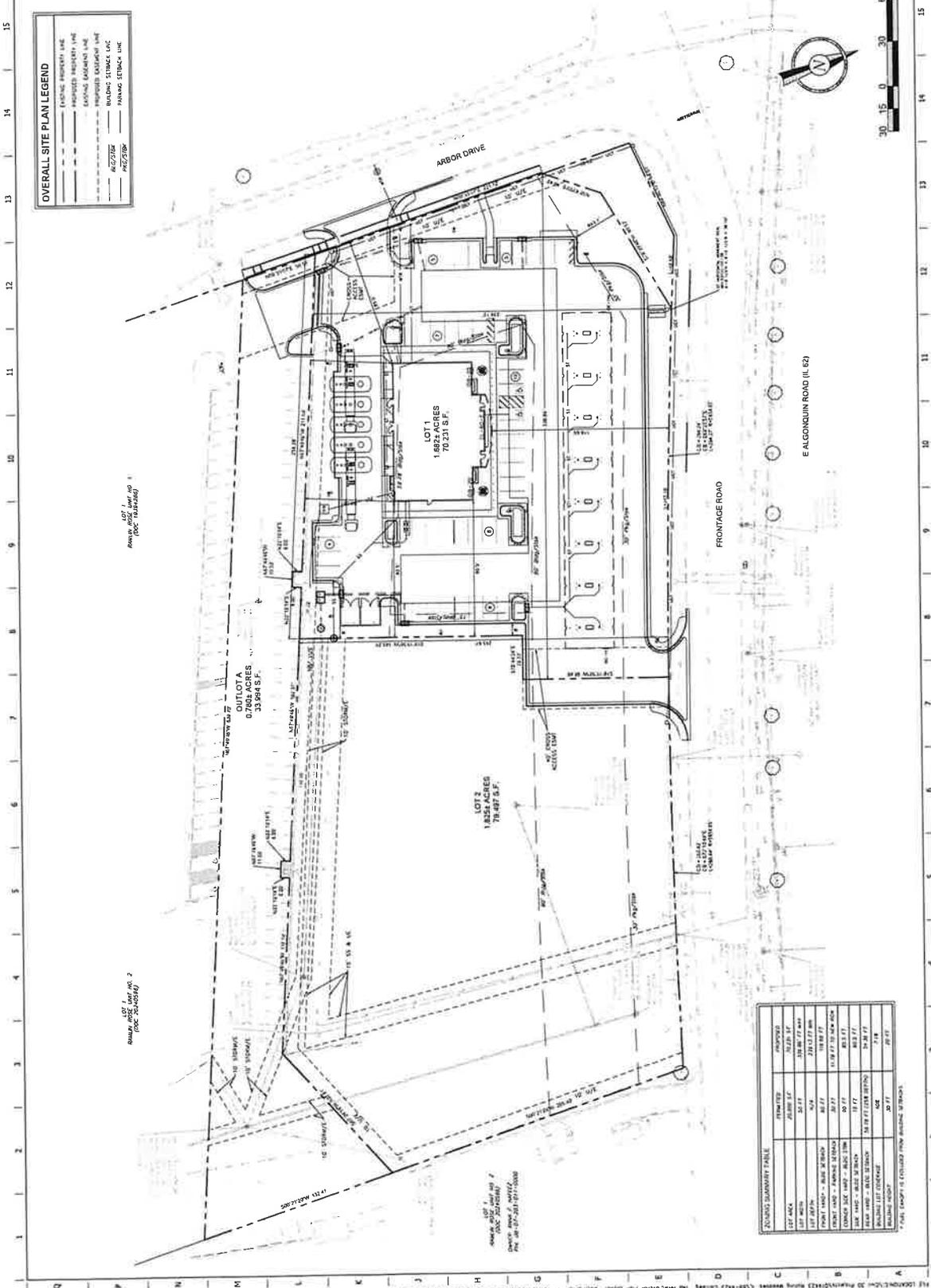
MOG
 MORGAN ENGINEERING GROUP
 1000 N. LAUREL STREET, SUITE 100
 DEERFIELD, IL 60015
 TEL: 847.434.1000
 FAX: 847.434.1001

CTI
 CONSULTING ENGINEERS
 1000 N. LAUREL STREET, SUITE 100
 DEERFIELD, IL 60015
 TEL: 847.434.1000
 FAX: 847.434.1001

ORIGINAL ISSUE DATE: 11/11/2024
 SHEET TITLE: OVERALL SITE PLAN
 SHEET NUMBER: C100

OVERALL SITE PLAN LEGEND

(Symbol)	EXISTING IMPROVEMENT LINE
(Symbol)	PROPOSED IMPROVEMENT LINE
(Symbol)	EXISTING EASEMENT LINE
(Symbol)	PROPOSED EASEMENT LINE
(Symbol)	EXISTING STURBACK LINE
(Symbol)	PROPOSED STURBACK LINE
(Symbol)	EXISTING STURBACK LINE
(Symbol)	PROPOSED STURBACK LINE

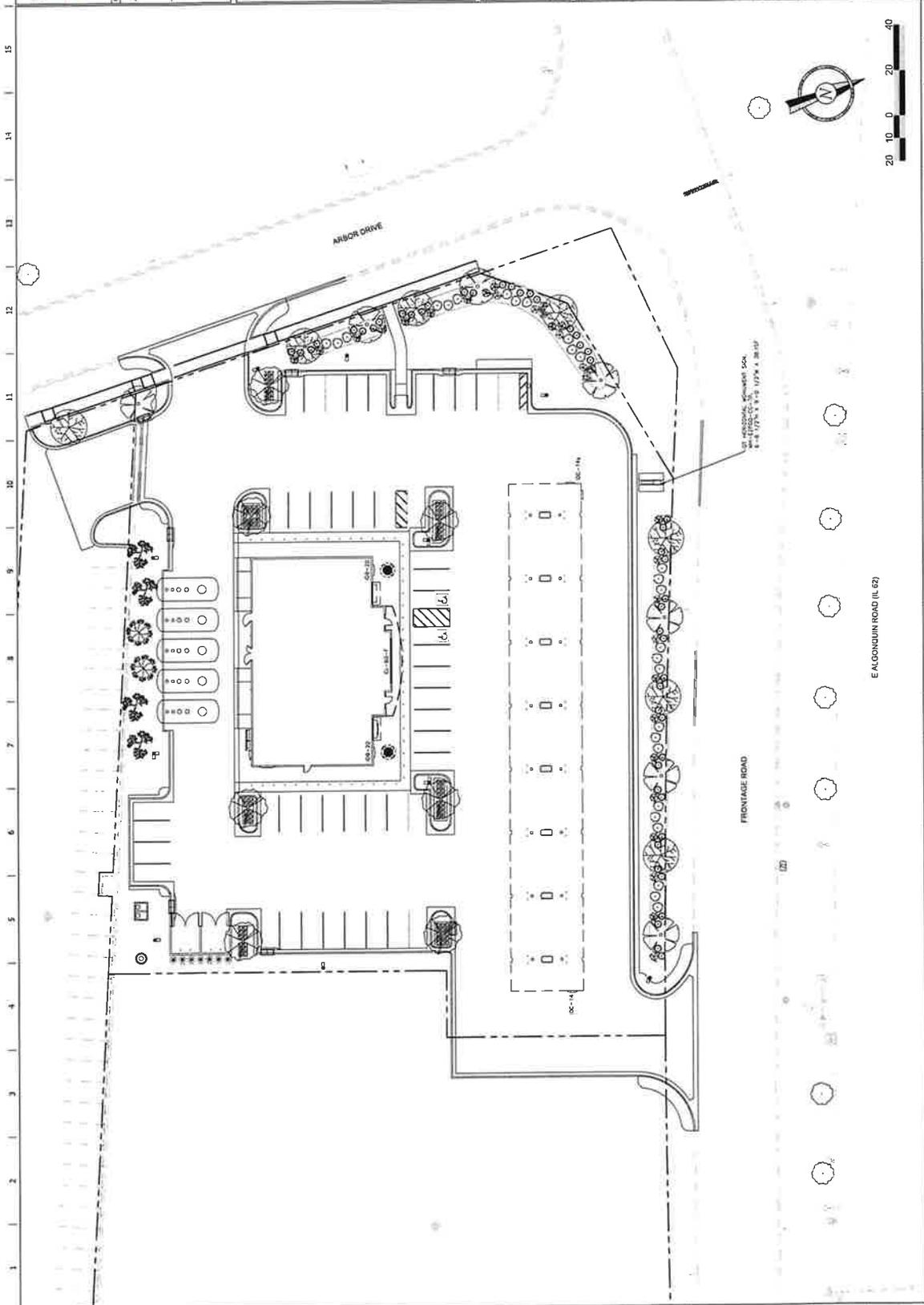


FOUNDING SUMMARY TABLE

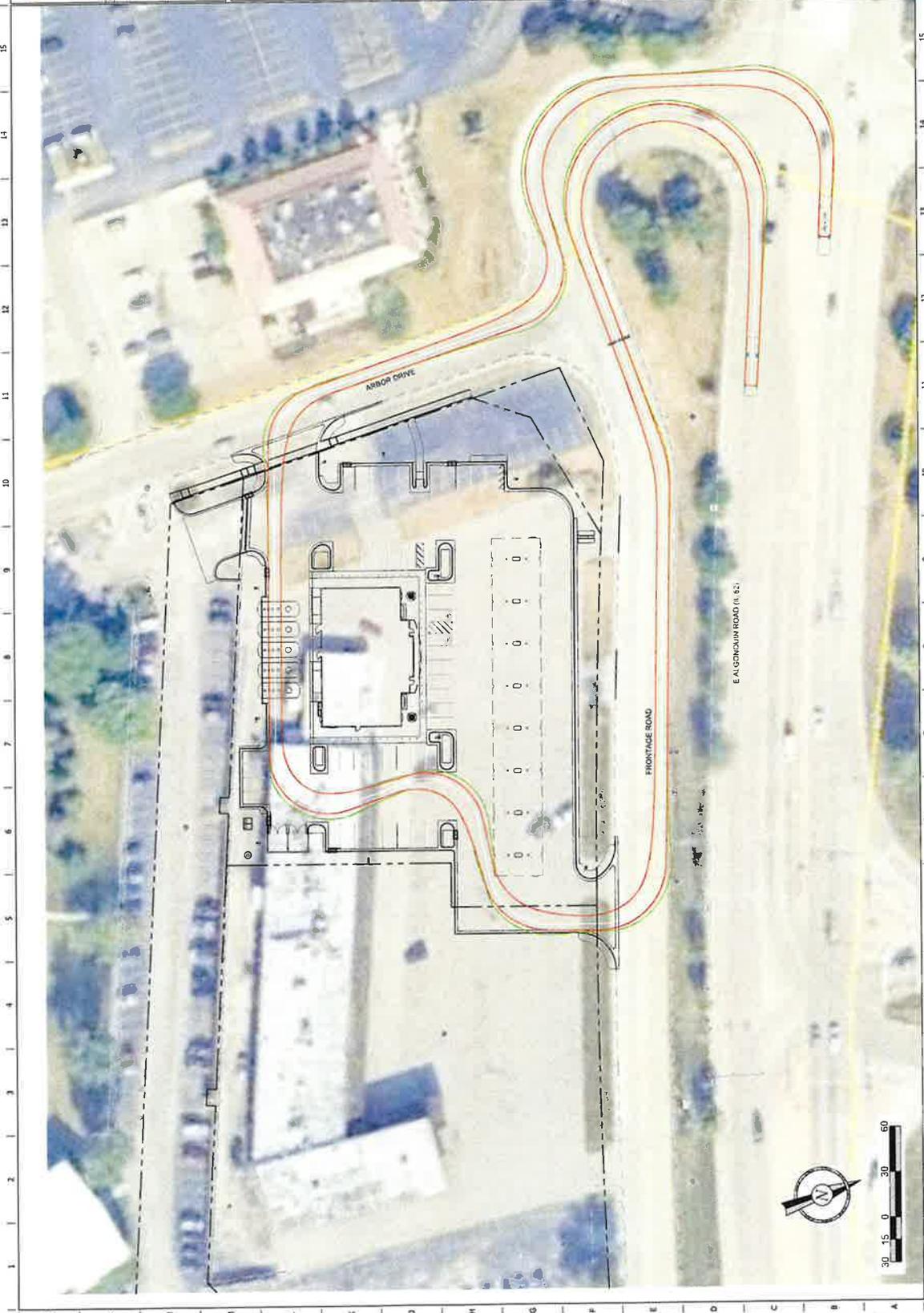
ITEM	PROPOSED
STP AREA	48,276 S.F.
STP VOLUME	52,177
STP DEPTH	0.75
STP FLOW	2,212,177 GPM
STP FLOW - 15 MIN. STORAGE	80,177
STP FLOW - 30 MIN. STORAGE	160,354
STP FLOW - 45 MIN. STORAGE	240,531
STP FLOW - 60 MIN. STORAGE	320,708
STP FLOW - 75 MIN. STORAGE	400,885
STP FLOW - 90 MIN. STORAGE	481,062
STP FLOW - 105 MIN. STORAGE	561,239
STP FLOW - 120 MIN. STORAGE	641,416
STP FLOW - 135 MIN. STORAGE	721,593
STP FLOW - 150 MIN. STORAGE	801,770
STP FLOW - 165 MIN. STORAGE	881,947
STP FLOW - 180 MIN. STORAGE	962,124
STP FLOW - 195 MIN. STORAGE	1,042,301
STP FLOW - 210 MIN. STORAGE	1,122,478
STP FLOW - 225 MIN. STORAGE	1,202,655
STP FLOW - 240 MIN. STORAGE	1,282,832
STP FLOW - 255 MIN. STORAGE	1,363,009
STP FLOW - 270 MIN. STORAGE	1,443,186
STP FLOW - 285 MIN. STORAGE	1,523,363
STP FLOW - 300 MIN. STORAGE	1,603,540
STP FLOW - 315 MIN. STORAGE	1,683,717
STP FLOW - 330 MIN. STORAGE	1,763,894
STP FLOW - 345 MIN. STORAGE	1,844,071
STP FLOW - 360 MIN. STORAGE	1,924,248
STP FLOW - 375 MIN. STORAGE	2,004,425
STP FLOW - 390 MIN. STORAGE	2,084,602
STP FLOW - 405 MIN. STORAGE	2,164,779
STP FLOW - 420 MIN. STORAGE	2,244,956
STP FLOW - 435 MIN. STORAGE	2,325,133
STP FLOW - 450 MIN. STORAGE	2,405,310
STP FLOW - 465 MIN. STORAGE	2,485,487
STP FLOW - 480 MIN. STORAGE	2,565,664
STP FLOW - 495 MIN. STORAGE	2,645,841
STP FLOW - 510 MIN. STORAGE	2,726,018
STP FLOW - 525 MIN. STORAGE	2,806,195
STP FLOW - 540 MIN. STORAGE	2,886,372
STP FLOW - 555 MIN. STORAGE	2,966,549
STP FLOW - 570 MIN. STORAGE	3,046,726
STP FLOW - 585 MIN. STORAGE	3,126,903
STP FLOW - 600 MIN. STORAGE	3,207,080
STP FLOW - 615 MIN. STORAGE	3,287,257
STP FLOW - 630 MIN. STORAGE	3,367,434
STP FLOW - 645 MIN. STORAGE	3,447,611
STP FLOW - 660 MIN. STORAGE	3,527,788
STP FLOW - 675 MIN. STORAGE	3,607,965
STP FLOW - 690 MIN. STORAGE	3,688,142
STP FLOW - 705 MIN. STORAGE	3,768,319
STP FLOW - 720 MIN. STORAGE	3,848,496
STP FLOW - 735 MIN. STORAGE	3,928,673
STP FLOW - 750 MIN. STORAGE	4,008,850
STP FLOW - 765 MIN. STORAGE	4,089,027
STP FLOW - 780 MIN. STORAGE	4,169,204
STP FLOW - 795 MIN. STORAGE	4,249,381
STP FLOW - 810 MIN. STORAGE	4,329,558
STP FLOW - 825 MIN. STORAGE	4,409,735
STP FLOW - 840 MIN. STORAGE	4,489,912
STP FLOW - 855 MIN. STORAGE	4,570,089
STP FLOW - 870 MIN. STORAGE	4,650,266
STP FLOW - 885 MIN. STORAGE	4,730,443
STP FLOW - 900 MIN. STORAGE	4,810,620
STP FLOW - 915 MIN. STORAGE	4,890,797
STP FLOW - 930 MIN. STORAGE	4,970,974
STP FLOW - 945 MIN. STORAGE	5,051,151
STP FLOW - 960 MIN. STORAGE	5,131,328
STP FLOW - 975 MIN. STORAGE	5,211,505
STP FLOW - 990 MIN. STORAGE	5,291,682
STP FLOW - 1005 MIN. STORAGE	5,371,859
STP FLOW - 1020 MIN. STORAGE	5,452,036
STP FLOW - 1035 MIN. STORAGE	5,532,213
STP FLOW - 1050 MIN. STORAGE	5,612,390
STP FLOW - 1065 MIN. STORAGE	5,692,567
STP FLOW - 1080 MIN. STORAGE	5,772,744
STP FLOW - 1095 MIN. STORAGE	5,852,921
STP FLOW - 1110 MIN. STORAGE	5,933,098
STP FLOW - 1125 MIN. STORAGE	6,013,275
STP FLOW - 1140 MIN. STORAGE	6,093,452
STP FLOW - 1155 MIN. STORAGE	6,173,629
STP FLOW - 1170 MIN. STORAGE	6,253,806
STP FLOW - 1185 MIN. STORAGE	6,333,983
STP FLOW - 1200 MIN. STORAGE	6,414,160
STP FLOW - 1215 MIN. STORAGE	6,494,337
STP FLOW - 1230 MIN. STORAGE	6,574,514
STP FLOW - 1245 MIN. STORAGE	6,654,691
STP FLOW - 1260 MIN. STORAGE	6,734,868
STP FLOW - 1275 MIN. STORAGE	6,815,045
STP FLOW - 1290 MIN. STORAGE	6,895,222
STP FLOW - 1305 MIN. STORAGE	6,975,399
STP FLOW - 1320 MIN. STORAGE	7,055,576
STP FLOW - 1335 MIN. STORAGE	7,135,753
STP FLOW - 1350 MIN. STORAGE	7,215,930
STP FLOW - 1365 MIN. STORAGE	7,296,107
STP FLOW - 1380 MIN. STORAGE	7,376,284
STP FLOW - 1395 MIN. STORAGE	7,456,461
STP FLOW - 1410 MIN. STORAGE	7,536,638
STP FLOW - 1425 MIN. STORAGE	7,616,815
STP FLOW - 1440 MIN. STORAGE	7,696,992
STP FLOW - 1455 MIN. STORAGE	7,777,169
STP FLOW - 1470 MIN. STORAGE	7,857,346
STP FLOW - 1485 MIN. STORAGE	7,937,523
STP FLOW - 1500 MIN. STORAGE	8,017,700
STP FLOW - 1515 MIN. STORAGE	8,097,877
STP FLOW - 1530 MIN. STORAGE	8,178,054
STP FLOW - 1545 MIN. STORAGE	8,258,231
STP FLOW - 1560 MIN. STORAGE	8,338,408
STP FLOW - 1575 MIN. STORAGE	8,418,585
STP FLOW - 1590 MIN. STORAGE	8,498,762
STP FLOW - 1605 MIN. STORAGE	8,578,939
STP FLOW - 1620 MIN. STORAGE	8,659,116
STP FLOW - 1635 MIN. STORAGE	8,739,293
STP FLOW - 1650 MIN. STORAGE	8,819,470
STP FLOW - 1665 MIN. STORAGE	8,899,647
STP FLOW - 1680 MIN. STORAGE	8,979,824
STP FLOW - 1695 MIN. STORAGE	9,059,001
STP FLOW - 1710 MIN. STORAGE	9,139,178
STP FLOW - 1725 MIN. STORAGE	9,219,355
STP FLOW - 1740 MIN. STORAGE	9,299,532
STP FLOW - 1755 MIN. STORAGE	9,379,709
STP FLOW - 1770 MIN. STORAGE	9,459,886
STP FLOW - 1785 MIN. STORAGE	9,540,063
STP FLOW - 1800 MIN. STORAGE	9,620,240
STP FLOW - 1815 MIN. STORAGE	9,700,417
STP FLOW - 1830 MIN. STORAGE	9,780,594
STP FLOW - 1845 MIN. STORAGE	9,860,771
STP FLOW - 1860 MIN. STORAGE	9,940,948
STP FLOW - 1875 MIN. STORAGE	10,021,125
STP FLOW - 1890 MIN. STORAGE	10,101,302
STP FLOW - 1905 MIN. STORAGE	10,181,479
STP FLOW - 1920 MIN. STORAGE	10,261,656
STP FLOW - 1935 MIN. STORAGE	10,341,833
STP FLOW - 1950 MIN. STORAGE	10,422,010
STP FLOW - 1965 MIN. STORAGE	10,502,187
STP FLOW - 1980 MIN. STORAGE	10,582,364
STP FLOW - 1995 MIN. STORAGE	10,662,541
STP FLOW - 2010 MIN. STORAGE	10,742,718
STP FLOW - 2025 MIN. STORAGE	10,822,895
STP FLOW - 2040 MIN. STORAGE	10,903,072
STP FLOW - 2055 MIN. STORAGE	10,983,249
STP FLOW - 2070 MIN. STORAGE	11,063,426
STP FLOW - 2085 MIN. STORAGE	11,143,603
STP FLOW - 2100 MIN. STORAGE	11,223,780
STP FLOW - 2115 MIN. STORAGE	11,303,957
STP FLOW - 2130 MIN. STORAGE	11,384,134
STP FLOW - 2145 MIN. STORAGE	11,464,311
STP FLOW - 2160 MIN. STORAGE	11,544,488
STP FLOW - 2175 MIN. STORAGE	11,624,665
STP FLOW - 2190 MIN. STORAGE	11,704,842
STP FLOW - 2205 MIN. STORAGE	11,785,019
STP FLOW - 2220 MIN. STORAGE	11,865,196
STP FLOW - 2235 MIN. STORAGE	11,945,373
STP FLOW - 2250 MIN. STORAGE	12,025,550
STP FLOW - 2265 MIN. STORAGE	12,105,727
STP FLOW - 2280 MIN. STORAGE	12,185,904
STP FLOW - 2295 MIN. STORAGE	12,266,081
STP FLOW - 2310 MIN. STORAGE	12,346,258
STP FLOW - 2325 MIN. STORAGE	12,426,435
STP FLOW - 2340 MIN. STORAGE	12,506,612
STP FLOW - 2355 MIN. STORAGE	12,586,789
STP FLOW - 2370 MIN. STORAGE	12,666,966
STP FLOW - 2385 MIN. STORAGE	12,747,143
STP FLOW - 2400 MIN. STORAGE	12,827,320
STP FLOW - 2415 MIN. STORAGE	12,907,497
STP FLOW - 2430 MIN. STORAGE	12,987,674
STP FLOW - 2445 MIN. STORAGE	13,067,851
STP FLOW - 2460 MIN. STORAGE	13,148,028
STP FLOW - 2475 MIN. STORAGE	13,228,205
STP FLOW - 2490 MIN. STORAGE	13,308,382
STP FLOW - 2505 MIN. STORAGE	13,388,559
STP FLOW - 2520 MIN. STORAGE	13,468,736
STP FLOW - 2535 MIN. STORAGE	13,548,913
STP FLOW - 2550 MIN. STORAGE	13,629,090
STP FLOW - 2565 MIN. STORAGE	13,709,267
STP FLOW - 2580 MIN. STORAGE	13,789,444
STP FLOW - 2595 MIN. STORAGE	13,869,621
STP FLOW - 2610 MIN. STORAGE	13,949,798
STP FLOW - 2625 MIN. STORAGE	14,029,975
STP FLOW - 2640 MIN. STORAGE	14,110,152
STP FLOW - 2655 MIN. STORAGE	14,190,329
STP FLOW - 2670 MIN. STORAGE	14,270,506
STP FLOW - 2685 MIN. STORAGE	14,350,683
STP FLOW - 2700 MIN. STORAGE	14,430,860
STP FLOW - 2715 MIN. STORAGE	14,511,037
STP FLOW - 2730 MIN. STORAGE	14,591,214
STP FLOW - 2745 MIN. STORAGE	14,671,391
STP FLOW - 2760 MIN. STORAGE	14,751,568
STP FLOW - 2775 MIN. STORAGE	14,831,745
STP FLOW - 2790 MIN. STORAGE	14,911,922
STP FLOW - 2805 MIN. STORAGE	14,992,099
STP FLOW - 2820 MIN. STORAGE	15,072,276
STP FLOW - 2835 MIN. STORAGE	15,152,453
STP FLOW - 2850 MIN. STORAGE	15,232,630
STP FLOW - 2865 MIN. STORAGE	15,312,807
STP FLOW - 2880 MIN. STORAGE	15,392,984
STP FLOW - 2895 MIN. STORAGE	15,473,161
STP FLOW - 2910 MIN. STORAGE	15,553,338
STP FLOW - 2925 MIN. STORAGE	15,633,515
STP FLOW - 2940 MIN. STORAGE	15,713,692
STP FLOW - 2955 MIN. STORAGE	15,793,869
STP FLOW - 2970 MIN. STORAGE	15,874,046
STP FLOW - 2985 MIN. STORAGE	15,954,223
STP FLOW - 3000 MIN. STORAGE	16,034,400

* FILL EXCEPT AS NOTED FROM BUILDING W/ TRUCKS

		QuikTrip No. 4423 ARBOR DRIVE & FRONTAGE ROAD ROLLING MEADOWS, COOK COUNTY, IL 60008		ORIGINAL ISSUE DATE: 11/11/2024 EIT: SHEET DESCRIPTION:	SHEET TITLE: SIGNAGE PLAN	SHEET NUMBER: C102

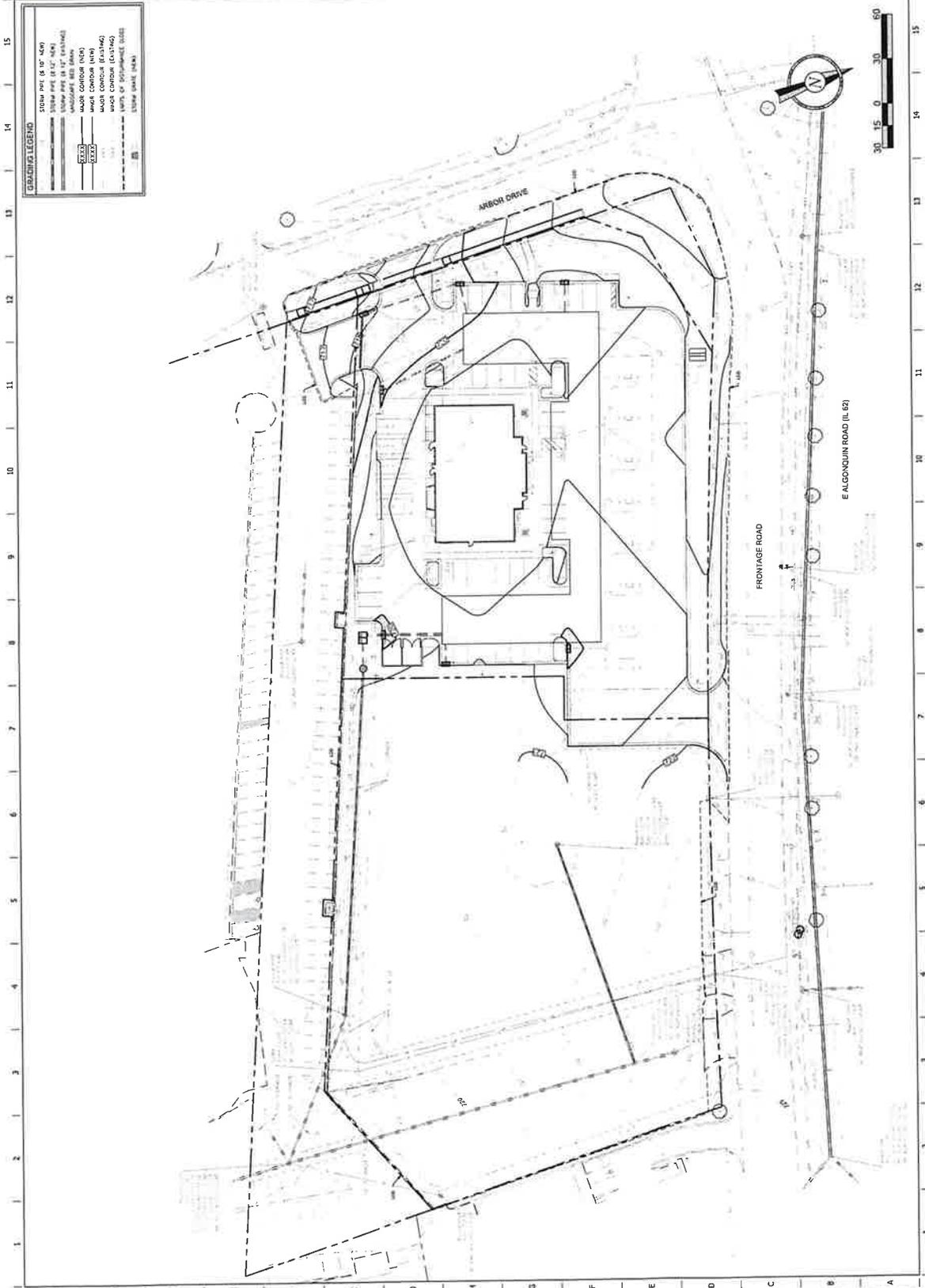


		QuikTrip No. 4423 ARBOR DRIVE & FRONTAGE ROAD ROLLING MEADOWS, COOK COUNTY, IL 60008		PROJECT NO. 111172024	ORIGINAL ISSUE DATE: 11/17/2024
				SHEET TITLE: SERVICE FRONTS GENERAL FIRE TRUCK	SHEET NUMBER: C104



FILE LOCATION: C:\00 PROJECTS\111172024_Rolling Meadows_C104.dwg 11/17/2024 2:18 PM PLOTTED: 11/17/2024 2:18 PM

 MOJ MORGAN ENGINEERING 100 W. 180th St. Schaumburg, IL 60196-0913 TEL: 815.399.1100	QuikTrip No. 4423 ARBOR DRIVE & FRONTAGE ROAD ROLLING MEADOWS, COOK COUNTY, IL 60008	 JTB ENGINEERING 100 W. 180th St. Schaumburg, IL 60196-0913 TEL: 815.399.1100	ORIGINAL ISSUE DATE: 11/11/2024
			SHEET NUMBER: C110



GRADING LEGEND

- STORM PIPE (6" x 10" x 40')
- STORM PIPE (8" x 12" x 40')
- STORM PIPE (12" x 18" x 40')
- STORM PIPE (18" x 24" x 40')
- STORM PIPE (24" x 30" x 40')
- STORM PIPE (30" x 36" x 40')
- STORM PIPE (36" x 42" x 40')
- STORM PIPE (42" x 48" x 40')
- STORM PIPE (48" x 54" x 40')
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- STORM PIPE (60" x 66" x 40')
- STORM PIPE (66" x 72" x 40')
- STORM PIPE (72" x 78" x 40')
- STORM PIPE (78" x 84" x 40')
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- STORM PIPE (108" x 114" x 40')
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- STORM PIPE (120" x 126" x 40')
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- STORM PIPE (162" x 168" x 40')
- STORM PIPE (168" x 174" x 40')
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- STORM PIPE (342" x 348" x 40')
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- STORM PIPE (354" x 360" x 40')
- STORM PIPE (360" x 366" x 40')
- STORM PIPE (366" x 372" x 40')
- STORM PIPE (372" x 378" x 40')
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- STORM PIPE (996" x 1002" x 40')
- STORM PIPE (1002" x 1008" x 40')
- STORM PIPE (1008" x 1014" x 40')
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- STORM PIPE (1056" x 1062" x 40')
- STORM PIPE (1062" x 1068" x 40')
- STORM PIPE (1068" x 1074" x 40')
- STORM PIPE (1074" x 1080" x 40')
- STORM PIPE (1080" x 1086" x 40')
- STORM PIPE (1086" x 1092" x 40')
- STORM PIPE (1092" x 1098" x 40')
- STORM PIPE (1098" x 1104" x 40')
- STORM PIPE (1104" x 1110" x 40')
- STORM PIPE (1110" x 1116" x 40')
- STORM PIPE (1116" x 1122" x 40')
- STORM PIPE (1122" x 1128" x 40')
- STORM PIPE (1128" x 1134" x 40')
- STORM PIPE (1134" x 1140" x 40')
- STORM PIPE (1140" x 1146" x 40')
- STORM PIPE (1146" x 1152" x 40')
- STORM PIPE (1152" x 1158" x 40')
- STORM PIPE (1158" x 1164" x 40')
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- STORM PIPE (1170" x 1176" x 40')
- STORM PIPE (1176" x 1182" x 40')
- STORM PIPE (1182" x 1188" x 40')
- STORM PIPE (1188" x 1194" x 40')
- STORM PIPE (1194" x 1200" x 40')
- STORM PIPE (1200" x 1206" x 40')
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- STORM PIPE (1212" x 1218" x 40')
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- STORM PIPE (1284" x 1290" x 40')
- STORM PIPE (1290" x 1296" x 40')
- STORM PIPE (1296" x 1302" x 40')
- STORM PIPE (1302" x 1308" x 40')
- STORM PIPE (1308" x 1314" x 40')
- STORM PIPE (1314" x 1320" x 40')
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- STORM PIPE (1380" x 1386" x 40')
- STORM PIPE (1386" x 1392" x 40')
- STORM PIPE (1392" x 1398" x 40')
- STORM PIPE (1398" x 1404" x 40')
- STORM PIPE (1404" x 1410" x 40')
- STORM PIPE (1410" x 1416" x 40')
- STORM PIPE (1416" x 1422" x 40')
- STORM PIPE (1422" x 1428" x 40')
- STORM PIPE (1428" x 1434" x 40')
- STORM PIPE (1434" x 1440" x 40')
- STORM PIPE (1440" x 1446" x 40')
- STORM PIPE (1446" x 1452" x 40')
- STORM PIPE (1452" x 1458" x 40')
- STORM PIPE (1458" x 1464" x 40')
- STORM PIPE (1464" x 1470" x 40')
- STORM PIPE (1470" x 1476" x 40')
- STORM PIPE (1476" x 1482" x 40')
- STORM PIPE (1482" x 1488" x 40')
- STORM PIPE (1488" x 1494" x 40')
- STORM PIPE (1494" x 1500" x 40')
- STORM PIPE (1500" x 1506" x 40')
- STORM PIPE (1506" x 1512" x 40')
- STORM PIPE (1512" x 1518" x 40')
- STORM PIPE (1518" x 1524" x 40')
- STORM PIPE (1524" x 1530" x 40')
- STORM PIPE (1530" x 1536" x 40')
- STORM PIPE (1536" x 1542" x 40')
- STORM PIPE (1542" x 1548" x 40')
- STORM PIPE (1548" x 1554" x 40')
- STORM PIPE (1554" x 1560" x 40')
- STORM PIPE (1560" x 1566" x 40')
- STORM PIPE (1566" x 1572" x 40')
- STORM PIPE (1572" x 1578" x 40')
- STORM PIPE (1578" x 1584" x 40')
- STORM PIPE (1584" x 1590" x 40')
- STORM PIPE (1590" x 1596" x 40')
- STORM PIPE (1596" x 1602" x 40')
- STORM PIPE (1602" x 1608" x 40')
- STORM PIPE (1608" x 1614" x 40')
- STORM PIPE (1614" x 1620" x 40')
- STORM PIPE (1620" x 1626" x 40')
- STORM PIPE (1626" x 1632" x 40')
- STORM PIPE (1632" x 1638" x 40')
- STORM PIPE (1638" x 1644" x 40')
- STORM PIPE (1644" x 1650" x 40')
- STORM PIPE (1650" x 1656" x 40')
- STORM PIPE (1656" x 1662" x 40')
- STORM PIPE (1662" x 1668" x 40')
- STORM PIPE (1668" x 1674" x 40')
- STORM PIPE (1674" x 1680" x 40')
- STORM PIPE (1680" x 1686" x 40')
- STORM PIPE (1686" x 1692" x 40')
- STORM PIPE (1692" x 1698" x 40')
- STORM PIPE (1698" x 1704" x 40')
- STORM PIPE (1704" x 1710" x 40')
- STORM PIPE (1710" x 1716" x 40')
- STORM PIPE (1716" x 1722" x 40')
- STORM PIPE (1722" x 1728" x 40')
- STORM PIPE (1728" x 1734" x 40')
- STORM PIPE (1734" x 1740" x 40')
- STORM PIPE (1740" x 1746" x 40')
- STORM PIPE (1746" x 1752" x 40')
- STORM PIPE (1752" x 1758" x 40')
- STORM PIPE (1758" x 1764" x 40')
- STORM PIPE (1764" x 1770" x 40')
- STORM PIPE (1770" x 1776" x 40')
- STORM PIPE (1776" x 1782" x 40')
- STORM PIPE (1782" x 1788" x 40')
- STORM PIPE (1788" x 1794" x 40')
- STORM PIPE (1794" x 1800" x 40')
- STORM PIPE (1800" x 1806" x 40')
- STORM PIPE (1806" x 1812" x 40')
- STORM PIPE (1812" x 1818" x 40')
- STORM PIPE (1818" x 1824" x 40')
- STORM PIPE (1824" x 1830" x 40')
- STORM PIPE (1830" x 1836" x 40')
- STORM PIPE (1836" x 1842" x 40')
- STORM PIPE (1842" x 1848" x 40')
- STORM PIPE (1848" x 1854" x 40')
- STORM PIPE (1854" x 1860" x 40')
- STORM PIPE (1860" x 1866" x 40')
- STORM PIPE (1866" x 1872" x 40')
- STORM PIPE (1872" x 1878" x 40')
- STORM PIPE (1878" x 1884" x 40')
- STORM PIPE (1884" x 1890" x 40')
- STORM PIPE (1890" x 1896" x 40')
- STORM PIPE (1896" x 1902" x 40')
- STORM PIPE (1902" x 1908" x 40')
- STORM PIPE (1908" x 1914" x 40')
- STORM PIPE (1914" x 1920" x 40')
- STORM PIPE (1920" x 1926" x 40')
- STORM PIPE (1926" x 1932" x 40')
- STORM PIPE (1932" x 1938" x 40')
- STORM PIPE (1938" x 1944" x 40')
- STORM PIPE (1944" x 1950" x 40')
- STORM PIPE (1950" x 1956" x 40')
- STORM PIPE (1956" x 1962" x 40')
- STORM PIPE (1962" x 1968" x 40')
- STORM PIPE (1968" x 1974" x 40')
- STORM PIPE (1974" x 1980" x 40')
- STORM PIPE (1980" x 1986" x 40')
- STORM PIPE (1986" x 1992" x 40')
- STORM PIPE (1992" x 1998" x 40')
- STORM PIPE (1998" x 2004" x 40')
- STORM PIPE (2004" x 2010" x 40')
- STORM PIPE (2010" x 2016" x 40')
- STORM PIPE (2016" x 2022" x 40')
- STORM PIPE (2022" x 2028" x 40')
- STORM PIPE (2028" x 2034" x 40')
- STORM PIPE (2034" x 2040" x 40')
- STORM PIPE (2040" x 2046" x 40')
- STORM PIPE (2046" x 2052" x 40')
- STORM PIPE (2052" x 2058" x 40')
- STORM PIPE (2058" x 2064" x 40')
- STORM PIPE (2064" x 2070" x 40')
- STORM PIPE (2070" x 2076" x 40')
- STORM PIPE (2076" x 2082" x 40')
- STORM PIPE (2082" x 2088" x 40')
- STORM PIPE (2088" x 2094" x 40')
- STORM PIPE (2094" x 2100" x 40')
- STORM PIPE (2100" x 2106" x 40')
- STORM PIPE (2106" x 2112" x 40')
- STORM PIPE (2112" x 2118" x 40')
- STORM PIPE (2118" x 2124" x 40')
- STORM PIPE (2124" x 2130" x 40')
- STORM PIPE (2130" x 2136" x 40')
- STORM PIPE (2136" x 2142" x 40')
- STORM PIPE (2142" x 2148" x 40')
- STORM PIPE (2148" x 2154" x 40')
- STORM PIPE (2154" x 2160" x 40')
- STORM PIPE (2160" x 2166" x 40')
- STORM PIPE (2166" x 2172" x 40')
- STORM PIPE (2172" x 2178" x 40')
- STORM PIPE (2178" x 2184" x 40')
- STORM PIPE (2184" x 2190" x 40')
- STORM PIPE (2190" x 2196" x 40')
- STORM PIPE (2196" x 2202" x 40')
- STORM PIPE (2202" x 2208" x 40')
- STORM PIPE (2208" x 2214" x 40')
- STORM PIPE (2214" x 2220" x 40')
- STORM PIPE (2220" x 2226" x 40')
- STORM PIPE (2226" x 2232" x 40')
- STORM PIPE (2232" x 2238" x 40')
- STORM PIPE (2238" x 2244" x 40')
- STORM PIPE (2244" x 2250" x 40')
- STORM PIPE (2250" x 2256" x 40')
- STORM PIPE (2256" x 2262" x 40')
- STORM PIPE (2262" x 2268" x 40')
- STORM PIPE (2268" x 2274" x 40')
- STORM PIPE (2274" x 2280" x 40')
- STORM PIPE (2280" x 2286" x 40')
- STORM PIPE (2286" x 2292" x 40')
- STORM PIPE (2292" x 2298" x 40')
- STORM PIPE (2298" x 2304" x 40')
- STORM PIPE (2304" x 2310" x 40')
- STORM PIPE (2310" x 2316" x 40')
- STORM PIPE (2316" x 2322" x 40')
- STORM PIPE (2322" x 2328" x 40')
- STORM PIPE (2328" x 2334" x 40')
- STORM PIPE (2334" x 2340" x 40')
- STORM PIPE (2340" x 2346" x 40')
- STORM PIPE (2346" x 2352" x 40')
- STORM PIPE (2352" x 2358" x 40')
- STORM PIPE (2358" x 2364" x 40')
- STORM PIPE (2364" x 2370" x 40')
- STORM PIPE (2370" x 2376" x 40')
- STORM PIPE (2376" x 2382" x 40')
- STORM PIPE (2382" x 2388" x 40')
- STORM PIPE (2388" x 2394" x 40')
- STORM PIPE (2394" x 2400" x 40')
- STORM PIPE (2400" x 2406" x 40')
- STORM PIPE (2406" x 2412" x 40')
- STORM PIPE (2412" x 2418" x 40')
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- STORM PIPE (2442" x 2448" x 40')
- STORM PIPE (2448" x 2454" x 40')
- STORM PIPE (2454" x 2460" x 40')
- STORM PIPE (2460" x 2466" x 40')
- STORM PIPE (2466" x 2472" x 40')
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- STORM PIPE (2496" x 2502" x 40')
- STORM PIPE (2502" x 2508" x 40')
- STORM PIPE (2508" x 2514" x 40')
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- STORM PIPE (2610" x 2616" x 40')
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- STORM PIPE (2628" x 2634" x 40')
- STORM PIPE (2634" x 2640" x 40')
- STORM PIPE (2640" x 2646" x 40')
- STORM PIPE (2646" x 2652" x 40')
- STORM PIPE (2652" x 2658" x 40')
- STORM PIPE (2658" x 2664" x 40')
- STORM PIPE (2664" x 2670" x 40')
- STORM PIPE (2670" x 2676" x 40')
- STORM PIPE (2676" x 2682" x 40')
- STORM PIPE (2682" x 2688" x 40')
- STORM PIPE (2688" x 2694" x 40')
- STORM PIPE (2694" x 2700" x 40')
- STORM PIPE (2700" x 2706" x 40')
- STORM PIPE (2706" x 2712" x 40')
- STORM PIPE (2712" x 2718" x 40')
- STORM PIPE (2718" x 2724" x 40')
- STORM PIPE (2724" x 2730" x 40')
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- STORM PIPE (2736" x 2742" x 40')
- STORM PIPE (2742" x 2748" x 40')
- STORM PIPE (2748" x 2754" x 40')
- STORM PIPE (2754" x 2760" x 40')
- STORM PIPE (2760" x 2766" x 40')
- STORM PIPE (2766" x 2772" x 40')
- STORM PIPE (2772" x 2778" x 40')
- STORM PIPE (2778" x 2784" x 40')
- STORM PIPE (2784" x 2790" x 40')





QuikTrip No. 4423
 ARBOR DRIVE & FRONTAGE ROAD
 ROLLING MEADOWS, COOK COUNTY, IL 60008

ORIGINAL ISSUE DATE: 11/11/2024
 SHEET TITLE: PRELIMINARY STORM SEWER PLAN
 SHEET NUMBER: C120

STORM SEWER LEGEND

12" DIA. PIPE (6" x 10" MAN)	---
18" DIA. PIPE (12" x 24" MAN)	---
24" DIA. PIPE (18" x 30" MAN)	---
30" DIA. PIPE (24" x 36" MAN)	---
36" DIA. PIPE (30" x 42" MAN)	---
42" DIA. PIPE (36" x 48" MAN)	---
48" DIA. PIPE (42" x 54" MAN)	---
54" DIA. PIPE (48" x 60" MAN)	---
60" DIA. PIPE (54" x 66" MAN)	---
66" DIA. PIPE (60" x 72" MAN)	---
72" DIA. PIPE (66" x 78" MAN)	---
78" DIA. PIPE (72" x 84" MAN)	---
84" DIA. PIPE (78" x 90" MAN)	---
90" DIA. PIPE (84" x 96" MAN)	---
96" DIA. PIPE (90" x 102" MAN)	---
102" DIA. PIPE (96" x 108" MAN)	---
108" DIA. PIPE (102" x 114" MAN)	---
114" DIA. PIPE (108" x 120" MAN)	---
120" DIA. PIPE (114" x 126" MAN)	---
126" DIA. PIPE (120" x 132" MAN)	---
132" DIA. PIPE (126" x 138" MAN)	---
138" DIA. PIPE (132" x 144" MAN)	---
144" DIA. PIPE (138" x 150" MAN)	---
150" DIA. PIPE (144" x 156" MAN)	---
156" DIA. PIPE (150" x 162" MAN)	---
162" DIA. PIPE (156" x 168" MAN)	---
168" DIA. PIPE (162" x 174" MAN)	---
174" DIA. PIPE (168" x 180" MAN)	---
180" DIA. PIPE (174" x 186" MAN)	---
186" DIA. PIPE (180" x 192" MAN)	---
192" DIA. PIPE (186" x 198" MAN)	---
198" DIA. PIPE (192" x 204" MAN)	---
204" DIA. PIPE (198" x 210" MAN)	---
210" DIA. PIPE (204" x 216" MAN)	---
216" DIA. PIPE (210" x 222" MAN)	---
222" DIA. PIPE (216" x 228" MAN)	---
228" DIA. PIPE (222" x 234" MAN)	---
234" DIA. PIPE (228" x 240" MAN)	---
240" DIA. PIPE (234" x 246" MAN)	---
246" DIA. PIPE (240" x 252" MAN)	---
252" DIA. PIPE (246" x 258" MAN)	---
258" DIA. PIPE (252" x 264" MAN)	---
264" DIA. PIPE (258" x 270" MAN)	---
270" DIA. PIPE (264" x 276" MAN)	---
276" DIA. PIPE (270" x 282" MAN)	---
282" DIA. PIPE (276" x 288" MAN)	---
288" DIA. PIPE (282" x 294" MAN)	---
294" DIA. PIPE (288" x 300" MAN)	---
300" DIA. PIPE (294" x 306" MAN)	---
306" DIA. PIPE (300" x 312" MAN)	---
312" DIA. PIPE (306" x 318" MAN)	---
318" DIA. PIPE (312" x 324" MAN)	---
324" DIA. PIPE (318" x 330" MAN)	---
330" DIA. PIPE (324" x 336" MAN)	---
336" DIA. PIPE (330" x 342" MAN)	---
342" DIA. PIPE (336" x 348" MAN)	---
348" DIA. PIPE (342" x 354" MAN)	---
354" DIA. PIPE (348" x 360" MAN)	---
360" DIA. PIPE (354" x 366" MAN)	---
366" DIA. PIPE (360" x 372" MAN)	---
372" DIA. PIPE (366" x 378" MAN)	---
378" DIA. PIPE (372" x 384" MAN)	---
384" DIA. PIPE (378" x 390" MAN)	---
390" DIA. PIPE (384" x 396" MAN)	---
396" DIA. PIPE (390" x 402" MAN)	---
402" DIA. PIPE (396" x 408" MAN)	---
408" DIA. PIPE (402" x 414" MAN)	---
414" DIA. PIPE (408" x 420" MAN)	---
420" DIA. PIPE (414" x 426" MAN)	---
426" DIA. PIPE (420" x 432" MAN)	---
432" DIA. PIPE (426" x 438" MAN)	---
438" DIA. PIPE (432" x 444" MAN)	---
444" DIA. PIPE (438" x 450" MAN)	---
450" DIA. PIPE (444" x 456" MAN)	---
456" DIA. PIPE (450" x 462" MAN)	---
462" DIA. PIPE (456" x 468" MAN)	---
468" DIA. PIPE (462" x 474" MAN)	---
474" DIA. PIPE (468" x 480" MAN)	---
480" DIA. PIPE (474" x 486" MAN)	---
486" DIA. PIPE (480" x 492" MAN)	---
492" DIA. PIPE (486" x 498" MAN)	---
498" DIA. PIPE (492" x 504" MAN)	---
504" DIA. PIPE (498" x 510" MAN)	---
510" DIA. PIPE (504" x 516" MAN)	---
516" DIA. PIPE (510" x 522" MAN)	---
522" DIA. PIPE (516" x 528" MAN)	---
528" DIA. PIPE (522" x 534" MAN)	---
534" DIA. PIPE (528" x 540" MAN)	---
540" DIA. PIPE (534" x 546" MAN)	---
546" DIA. PIPE (540" x 552" MAN)	---
552" DIA. PIPE (546" x 558" MAN)	---
558" DIA. PIPE (552" x 564" MAN)	---
564" DIA. PIPE (558" x 570" MAN)	---
570" DIA. PIPE (564" x 576" MAN)	---
576" DIA. PIPE (570" x 582" MAN)	---
582" DIA. PIPE (576" x 588" MAN)	---
588" DIA. PIPE (582" x 594" MAN)	---
594" DIA. PIPE (588" x 600" MAN)	---
600" DIA. PIPE (594" x 606" MAN)	---
606" DIA. PIPE (600" x 612" MAN)	---
612" DIA. PIPE (606" x 618" MAN)	---
618" DIA. PIPE (612" x 624" MAN)	---
624" DIA. PIPE (618" x 630" MAN)	---
630" DIA. PIPE (624" x 636" MAN)	---
636" DIA. PIPE (630" x 642" MAN)	---
642" DIA. PIPE (636" x 648" MAN)	---
648" DIA. PIPE (642" x 654" MAN)	---
654" DIA. PIPE (648" x 660" MAN)	---
660" DIA. PIPE (654" x 666" MAN)	---
666" DIA. PIPE (660" x 672" MAN)	---
672" DIA. PIPE (666" x 678" MAN)	---
678" DIA. PIPE (672" x 684" MAN)	---
684" DIA. PIPE (678" x 690" MAN)	---
690" DIA. PIPE (684" x 696" MAN)	---
696" DIA. PIPE (690" x 702" MAN)	---
702" DIA. PIPE (696" x 708" MAN)	---
708" DIA. PIPE (702" x 714" MAN)	---
714" DIA. PIPE (708" x 720" MAN)	---
720" DIA. PIPE (714" x 726" MAN)	---
726" DIA. PIPE (720" x 732" MAN)	---
732" DIA. PIPE (726" x 738" MAN)	---
738" DIA. PIPE (732" x 744" MAN)	---
744" DIA. PIPE (738" x 750" MAN)	---
750" DIA. PIPE (744" x 756" MAN)	---
756" DIA. PIPE (750" x 762" MAN)	---
762" DIA. PIPE (756" x 768" MAN)	---
768" DIA. PIPE (762" x 774" MAN)	---
774" DIA. PIPE (768" x 780" MAN)	---
780" DIA. PIPE (774" x 786" MAN)	---
786" DIA. PIPE (780" x 792" MAN)	---
792" DIA. PIPE (786" x 798" MAN)	---
798" DIA. PIPE (792" x 804" MAN)	---
804" DIA. PIPE (798" x 810" MAN)	---
810" DIA. PIPE (804" x 816" MAN)	---
816" DIA. PIPE (810" x 822" MAN)	---
822" DIA. PIPE (816" x 828" MAN)	---
828" DIA. PIPE (822" x 834" MAN)	---
834" DIA. PIPE (828" x 840" MAN)	---
840" DIA. PIPE (834" x 846" MAN)	---
846" DIA. PIPE (840" x 852" MAN)	---
852" DIA. PIPE (846" x 858" MAN)	---
858" DIA. PIPE (852" x 864" MAN)	---
864" DIA. PIPE (858" x 870" MAN)	---
870" DIA. PIPE (864" x 876" MAN)	---
876" DIA. PIPE (870" x 882" MAN)	---
882" DIA. PIPE (876" x 888" MAN)	---
888" DIA. PIPE (882" x 894" MAN)	---
894" DIA. PIPE (888" x 900" MAN)	---
900" DIA. PIPE (894" x 906" MAN)	---
906" DIA. PIPE (900" x 912" MAN)	---
912" DIA. PIPE (906" x 918" MAN)	---
918" DIA. PIPE (912" x 924" MAN)	---
924" DIA. PIPE (918" x 930" MAN)	---
930" DIA. PIPE (924" x 936" MAN)	---
936" DIA. PIPE (930" x 942" MAN)	---
942" DIA. PIPE (936" x 948" MAN)	---
948" DIA. PIPE (942" x 954" MAN)	---
954" DIA. PIPE (948" x 960" MAN)	---
960" DIA. PIPE (954" x 966" MAN)	---
966" DIA. PIPE (960" x 972" MAN)	---
972" DIA. PIPE (966" x 978" MAN)	---
978" DIA. PIPE (972" x 984" MAN)	---
984" DIA. PIPE (978" x 990" MAN)	---
990" DIA. PIPE (984" x 996" MAN)	---
996" DIA. PIPE (990" x 1002" MAN)	---
1002" DIA. PIPE (996" x 1008" MAN)	---
1008" DIA. PIPE (1002" x 1014" MAN)	---
1014" DIA. PIPE (1008" x 1020" MAN)	---
1020" DIA. PIPE (1014" x 1026" MAN)	---
1026" DIA. PIPE (1020" x 1032" MAN)	---
1032" DIA. PIPE (1026" x 1038" MAN)	---
1038" DIA. PIPE (1032" x 1044" MAN)	---
1044" DIA. PIPE (1038" x 1050" MAN)	---
1050" DIA. PIPE (1044" x 1056" MAN)	---
1056" DIA. PIPE (1050" x 1062" MAN)	---
1062" DIA. PIPE (1056" x 1068" MAN)	---
1068" DIA. PIPE (1062" x 1074" MAN)	---
1074" DIA. PIPE (1068" x 1080" MAN)	---
1080" DIA. PIPE (1074" x 1086" MAN)	---
1086" DIA. PIPE (1080" x 1092" MAN)	---
1092" DIA. PIPE (1086" x 1102" MAN)	---
1098" DIA. PIPE (1092" x 1108" MAN)	---
1104" DIA. PIPE (1098" x 1114" MAN)	---
1110" DIA. PIPE (1104" x 1120" MAN)	---
1116" DIA. PIPE (1110" x 1126" MAN)	---
1122" DIA. PIPE (1116" x 1132" MAN)	---
1128" DIA. PIPE (1122" x 1138" MAN)	---
1134" DIA. PIPE (1128" x 1144" MAN)	---
1140" DIA. PIPE (1134" x 1150" MAN)	---
1146" DIA. PIPE (1140" x 1156" MAN)	---
1152" DIA. PIPE (1146" x 1162" MAN)	---
1158" DIA. PIPE (1152" x 1168" MAN)	---
1164" DIA. PIPE (1158" x 1174" MAN)	---
1170" DIA. PIPE (1164" x 1180" MAN)	---
1176" DIA. PIPE (1170" x 1186" MAN)	---
1182" DIA. PIPE (1176" x 1192" MAN)	---
1188" DIA. PIPE (1182" x 1198" MAN)	---
1194" DIA. PIPE (1188" x 1204" MAN)	---
1200" DIA. PIPE (1194" x 1210" MAN)	---
1206" DIA. PIPE (1200" x 1216" MAN)	---
1212" DIA. PIPE (1206" x 1222" MAN)	---
1218" DIA. PIPE (1212" x 1228" MAN)	---
1224" DIA. PIPE (1218" x 1234" MAN)	---
1230" DIA. PIPE (1224" x 1240" MAN)	---
1236" DIA. PIPE (1230" x 1246" MAN)	---
1242" DIA. PIPE (1236" x 1252" MAN)	---
1248" DIA. PIPE (1242" x 1258" MAN)	---
1254" DIA. PIPE (1248" x 1264" MAN)	---
1260" DIA. PIPE (1254" x 1270" MAN)	---
1266" DIA. PIPE (1260" x 1276" MAN)	---
1272" DIA. PIPE (1266" x 1282" MAN)	---
1278" DIA. PIPE (1272" x 1288" MAN)	---
1284" DIA. PIPE (1278" x 1294" MAN)	---
1290" DIA. PIPE (1284" x 1300" MAN)	---
1296" DIA. PIPE (1290" x 1306" MAN)	---
1302" DIA. PIPE (1296" x 1312" MAN)	---
1308" DIA. PIPE (1302" x 1318" MAN)	---
1314" DIA. PIPE (1308" x 1324" MAN)	---
1320" DIA. PIPE (1314" x 1330" MAN)	---
1326" DIA. PIPE (1320" x 1336" MAN)	---
1332" DIA. PIPE (1326" x 1342" MAN)	---
1338" DIA. PIPE (1332" x 1348" MAN)	---
1344" DIA. PIPE (1338" x 1354" MAN)	---
1350" DIA. PIPE (1344" x 1360" MAN)	---
1356" DIA. PIPE (1350" x 1366" MAN)	---
1362" DIA. PIPE (1356" x 1372" MAN)	---
1368" DIA. PIPE (1362" x 1378" MAN)	---
1374" DIA. PIPE (1368" x 1384" MAN)	---
1380" DIA. PIPE (1374" x 1390" MAN)	---
1386" DIA. PIPE (1380" x 1396" MAN)	---
1392" DIA. PIPE (1386" x 1402" MAN)	---
1398" DIA. PIPE (1392" x 1408" MAN)	---
1404" DIA. PIPE (1398" x 1414" MAN)	---
1410" DIA. PIPE (1404" x 1420" MAN)	---
1416" DIA. PIPE (1410" x 1426" MAN)	---
1422" DIA. PIPE (1416" x 1432" MAN)	---
1428" DIA. PIPE (1422" x 1438" MAN)	---
1434" DIA. PIPE (1428" x 1444" MAN)	---
1440" DIA. PIPE (1434" x 1450" MAN)	---
1446" DIA. PIPE (1440" x 1456" MAN)	---
1452" DIA. PIPE (1446" x 1462" MAN)	---
1458" DIA. PIPE (1452" x 1468" MAN)	---
1464" DIA. PIPE (1458" x 1474" MAN)	---
1470" DIA. PIPE (1464" x 1480" MAN)	---
1476" DIA. PIPE (1470" x 1486" MAN)	---
1482" DIA. PIPE (1476" x 1492" MAN)	---
1488" DIA. PIPE (1482" x 1498" MAN)	---
1494" DIA. PIPE (1488" x 1504" MAN)	---
1500" DIA. PIPE (1494" x 1510" MAN)	---
1506" DIA. PIPE (1500" x 1516" MAN)	---
1512" DIA. PIPE (1506" x 1522" MAN)	---
1518" DIA. PIPE (1512" x 1528" MAN)	---
1524" DIA. PIPE (1518" x 1534" MAN)	---
1530" DIA. PIPE (1524" x 1540" MAN)	---
1536" DIA. PIPE (1530" x 1546" MAN)	---
1542" DIA. PIPE (1536" x 1552" MAN)	---
1548" DIA. PIPE (1542" x 1558" MAN)	---
1554" DIA. PIPE (1548" x 1564" MAN)	---
1560" DIA. PIPE (1554" x 1570" MAN)	---
1566" DIA. PIPE (1560" x 1576" MAN)	---
1572" DIA. PIPE (1566" x 1582" MAN)	---
1578" DIA. PIPE (1572" x 1588" MAN)	---
1584" DIA. PIPE (1578" x 1594" MAN)	---
1590" DIA. PIPE (1584" x 1600" MAN)	---
1596" DIA. PIPE (1590" x 1606" MAN)	---
1602" DIA. PIPE (1596" x 1612" MAN)	---
1608" DIA. PIPE (1602" x 1618" MAN)	---
1614" DIA. PIPE (1608" x 1624" MAN)	---
1620" DIA. PIPE (1614" x 1630" MAN)	---
1626" DIA. PIPE (1620" x 1636" MAN)	---
1632" DIA. PIPE (1626" x 1642" MAN)	---
1638" DIA. PIPE (1632" x 1648" MAN)	---
1644" DIA. PIPE (1638" x 1654" MAN)	---
1650" DIA. PIPE (1644" x 1660" MAN)	---
1656" DIA. PIPE (1650" x 1666" MAN)	---
1662" DIA. PIPE (1656" x 1672" MAN)	---
1668" DIA. PIPE (1662" x 1678" MAN)	---
1674" DIA. PIPE (1668" x 1684" MAN)	---
1680" DIA. PIPE (1674" x 1690" MAN)	---
1686" DIA. PIPE (1680" x 1696" MAN)	---
1692" DIA. PIPE (1686" x 1702" MAN)	---
1698" DIA. PIPE (1692" x 1708" MAN)	---
1704" DIA. PIPE (1698" x 1714" MAN)	---
1710" DIA. PIPE (1704" x 1720" MAN)	---
1716" DIA. PIPE (1710" x 1726" MAN)	---
1722" DIA. PIPE (1716" x 1732" MAN)	---
1728" DIA. PIPE (1722" x 1738" MAN)	---
1734" DIA. PIPE (1728" x 1744" MAN)	---
1740" DIA. PIPE (1734" x 1750" MAN)	---
1746" DIA. PIPE (1740" x 1756" MAN)	---
1752" DIA. PIPE (1746" x 1762" MAN)	---
1758" DIA. PIPE (1752" x 1768" MAN)	---
1764" DIA. PIPE (1758" x 1774" MAN)	---
1770" DIA. PIPE (1764" x 1780" MAN)	---
1776" DIA. PIPE (1770" x 1786" MAN)	---
1782" DIA. PIPE (1776" x 1792" MAN)	---
1788" DIA. PIPE (1782" x 1798" MAN)	---
1794" DIA. PIPE (1788" x 1804" MAN)	---
1800" DIA. PIPE (1794" x 1810" MAN)	---
1806" DIA. PIPE (1800" x 1816" MAN)	---
1812" DIA. PIPE (1806" x 1822" MAN)	---
1818" DIA. PIPE (1812" x 1828" MAN)	---
1824" DIA. PIPE (1818" x 1834" MAN)	---
1830" DIA. PIPE (1824" x 1840" MAN)	---
1836" DIA. PIPE (1830" x 1846" MAN)	---
1842" DIA. PIPE (1836" x 1852" MAN)	---
1848" DIA. PIPE (1842" x 1858" MAN)	---
1854" DIA. PIPE (1848" x 1864" MAN)	---





QuikTrip No. 4423
 ARBOR DRIVE & FRONTAGE ROAD
 ROLLING MEADOWS, COOK COUNTY, IL 60008

PROJECT NO. 2023-03
 DATE: 11/11/2024
 ORIGINAL ISSUE DATE: 11/11/2024

SHEET TITLE:
 PRE-DEVELOP
 DRAINAGE AREA AMP

SHEET NUMBER:
 C125



EX-DRAIN-1
 12" x 18" x 24" x 36" x 48" x 60" x 72" x 84" x 96" x 108" x 120" x 132" x 144" x 156" x 168" x 180" x 192" x 204" x 216" x 228" x 240" x 252" x 264" x 276" x 288" x 300" x 312" x 324" x 336" x 348" x 360" x 372" x 384" x 396" x 408" x 420" x 432" x 444" x 456" x 468" x 480" x 492" x 504" x 516" x 528" x 540" x 552" x 564" x 576" x 588" x 600" x 612" x 624" x 636" x 648" x 660" x 672" x 684" x 696" x 708" x 720" x 732" x 744" x 756" x 768" x 780" x 792" x 804" x 816" x 828" x 840" x 852" x 864" x 876" x 888" x 900" x 912" x 924" x 936" x 948" x 960" x 972" x 984" x 996" x 1008" x 1020" x 1032" x 1044" x 1056" x 1068" x 1080" x 1092" x 1104" x 1116" x 1128" x 1140" x 1152" x 1164" x 1176" x 1188" x 1200" x 1212" x 1224" x 1236" x 1248" x 1260" x 1272" x 1284" x 1296" x 1308" x 1320" x 1332" x 1344" x 1356" x 1368" x 1380" x 1392" x 1404" x 1416" x 1428" x 1440" x 1452" x 1464" x 1476" x 1488" x 1500" x 1512" x 1524" x 1536" x 1548" x 1560" x 1572" x 1584" x 1596" x 1608" x 1620" x 1632" x 1644" x 1656" x 1668" x 1680" x 1692" x 1704" x 1716" x 1728" x 1740" x 1752" x 1764" x 1776" x 1788" x 1800" x 1812" x 1824" x 1836" x 1848" x 1860" x 1872" x 1884" x 1896" x 1908" x 1920" x 1932" x 1944" x 1956" x 1968" x 1980" x 1992" x 2004" x 2016" x 2028" x 2040" x 2052" x 2064" x 2076" x 2088" x 2100" x 2112" x 2124" x 2136" x 2148" x 2160" x 2172" x 2184" x 2196" x 2208" x 2220" x 2232" x 2244" x 2256" x 2268" x 2280" x 2292" x 2304" x 2316" x 2328" x 2340" x 2352" x 2364" x 2376" x 2388" x 2400" x 2412" x 2424" x 2436" x 2448" x 2460" x 2472" x 2484" x 2496" x 2508" x 2520" x 2532" x 2544" x 2556" x 2568" x 2580" x 2592" x 2604" x 2616" x 2628" x 2640" x 2652" x 2664" x 2676" x 2688" x 2700" x 2712" x 2724" x 2736" x 2748" x 2760" x 2772" x 2784" x 2796" x 2808" x 2820" x 2832" x 2844" x 2856" x 2868" x 2880" x 2892" x 2904" x 2916" x 2928" x 2940" x 2952" x 2964" x 2976" x 2988" x 3000" x 3012" x 3024" x 3036" x 3048" x 3060" x 3072" x 3084" x 3096" x 3108" x 3120" x 3132" x 3144" x 3156" x 3168" x 3180" x 3192" x 3204" x 3216" x 3228" x 3240" x 3252" x 3264" x 3276" x 3288" x 3300" x 3312" x 3324" x 3336" x 3348" x 3360" x 3372" x 3384" x 3396" x 3408" x 3420" x 3432" x 3444" x 3456" x 3468" x 3480" x 3492" x 3504" x 3516" x 3528" x 3540" x 3552" x 3564" x 3576" x 3588" x 3600" x 3612" x 3624" x 3636" x 3648" x 3660" x 3672" x 3684" x 3696" x 3708" x 3720" x 3732" x 3744" x 3756" x 3768" x 3780" x 3792" x 3804" x 3816" x 3828" x 3840" x 3852" x 3864" x 3876" x 3888" x 3900" x 3912" x 3924" x 3936" x 3948" x 3960" x 3972" x 3984" x 3996" x 4008" x 4020" x 4032" x 4044" x 4056" x 4068" x 4080" x 4092" x 4104" x 4116" x 4128" x 4140" x 4152" x 4164" x 4176" x 4188" x 4200" x 4212" x 4224" x 4236" x 4248" x 4260" x 4272" x 4284" x 4296" x 4308" x 4320" x 4332" x 4344" x 4356" x 4368" x 4380" x 4392" x 4404" x 4416" x 4428" x 4440" x 4452" x 4464" x 4476" x 4488" x 4500" x 4512" x 4524" x 4536" x 4548" x 4560" x 4572" x 4584" x 4596" x 4608" x 4620" x 4632" x 4644" x 4656" x 4668" x 4680" x 4692" x 4704" x 4716" x 4728" x 4740" x 4752" x 4764" x 4776" x 4788" x 4800" x 4812" x 4824" x 4836" x 4848" x 4860" x 4872" x 4884" x 4896" x 4908" x 4920" x 4932" x 4944" x 4956" x 4968" x 4980" x 4992" x 5004" x 5016" x 5028" x 5040" x 5052" x 5064" x 5076" x 5088" x 5100" x 5112" x 5124" x 5136" x 5148" x 5160" x 5172" x 5184" x 5196" x 5208" x 5220" x 5232" x 5244" x 5256" x 5268" x 5280" x 5292" x 5304" x 5316" x 5328" x 5340" x 5352" x 5364" x 5376" x 5388" x 5400" x 5412" x 5424" x 5436" x 5448" x 5460" x 5472" x 5484" x 5496" x 5508" x 5520" x 5532" x 5544" x 5556" x 5568" x 5580" x 5592" x 5604" x 5616" x 5628" x 5640" x 5652" x 5664" x 5676" x 5688" x 5700" x 5712" x 5724" x 5736" x 5748" x 5760" x 5772" x 5784" x 5796" x 5808" x 5820" x 5832" x 5844" x 5856" x 5868" x 5880" x 5892" x 5904" x 5916" x 5928" x 5940" x 5952" x 5964" x 5976" x 5988" x 6000" x 6012" x 6024" x 6036" x 6048" x 6060" x 6072" x 6084" x 6096" x 6108" x 6120" x 6132" x 6144" x 6156" x 6168" x 6180" x 6192" x 6204" x 6216" x 6228" x 6240" x 6252" x 6264" x 6276" x 6288" x 6300" x 6312" x 6324" x 6336" x 6348" x 6360" x 6372" x 6384" x 6396" x 6408" x 6420" x 6432" x 6444" x 6456" x 6468" x 6480" x 6492" x 6504" x 6516" x 6528" x 6540" x 6552" x 6564" x 6576" x 6588" x 6600" x 6612" x 6624" x 6636" x 6648" x 6660" x 6672" x 6684" x 6696" x 6708" x 6720" x 6732" x 6744" x 6756" x 6768" x 6780" x 6792" x 6804" x 6816" x 6828" x 6840" x 6852" x 6864" x 6876" x 6888" x 6900" x 6912" x 6924" x 6936" x 6948" x 6960" x 6972" x 6984" x 6996" x 7008" x 7020" x 7032" x 7044" x 7056" x 7068" x 7080" x 7092" x 7104" x 7116" x 7128" x 7140" x 7152" x 7164" x 7176" x 7188" x 7200" x 7212" x 7224" x 7236" x 7248" x 7260" x 7272" x 7284" x 7296" x 7308" x 7320" x 7332" x 7344" x 7356" x 7368" x 7380" x 7392" x 7404" x 7416" x 7428" x 7440" x 7452" x 7464" x 7476" x 7488" x 7500" x 7512" x 7524" x 7536" x 7548" x 7560" x 7572" x 7584" x 7596" x 7608" x 7620" x 7632" x 7644" x 7656" x 7668" x 7680" x 7692" x 7704" x 7716" x 7728" x 7740" x 7752" x 7764" x 7776" x 7788" x 7800" x 7812" x 7824" x 7836" x 7848" x 7860" x 7872" x 7884" x 7896" x 7908" x 7920" x 7932" x 7944" x 7956" x 7968" x 7980" x 7992" x 8004" x 8016" x 8028" x 8040" x 8052" x 8064" x 8076" x 8088" x 8100" x 8112" x 8124" x 8136" x 8148" x 8160" x 8172" x 8184" x 8196" x 8208" x 8220" x 8232" x 8244" x 8256" x 8268" x 8280" x 8292" x 8304" x 8316" x 8328" x 8340" x 8352" x 8364" x 8376" x 8388" x 8400" x 8412" x 8424" x 8436" x 8448" x 8460" x 8472" x 8484" x 8496" x 8508" x 8520" x 8532" x 8544" x 8556" x 8568" x 8580" x 8592" x 8604" x 8616" x 8628" x 8640" x 8652" x 8664" x 8676" x 8688" x 8700" x 8712" x 8724" x 8736" x 8748" x 8760" x 8772" x 8784" x 8796" x 8808" x 8820" x 8832" x 8844" x 8856" x 8868" x 8880" x 8892" x 8904" x 8916" x 8928" x 8940" x 8952" x 8964" x 8976" x 8988" x 9000" x 9012" x 9024" x 9036" x 9048" x 9060" x 9072" x 9084" x 9096" x 9108" x 9120" x 9132" x 9144" x 9156" x 9168" x 9180" x 9192" x 9204" x 9216" x 9228" x 9240" x 9252" x 9264" x 9276" x 9288" x 9300" x 9312" x 9324" x 9336" x 9348" x 9360" x 9372" x 9384" x 9396" x 9408" x 9420" x 9432" x 9444" x 9456" x 9468" x 9480" x 9492" x 9504" x 9516" x 9528" x 9540" x 9552" x 9564" x 9576" x 9588" x 9600" x 9612" x 9624" x 9636" x 9648" x 9660" x 9672" x 9684" x 9696" x 9708" x 9720" x 9732" x 9744" x 9756" x 9768" x 9780" x 9792" x 9804" x 9816" x 9828" x 9840" x 9852" x 9864" x 9876" x 9888" x 9900" x 9912" x 9924" x 9936" x 9948" x 9960" x 9972" x 9984" x 9996" x 10008" x 10020" x 10032" x 10044" x 10056" x 10068" x 10080" x 10092" x 10104" x 10116" x 10128" x 10140" x 10152" x 10164" x 10176" x 10188" x 10200" x 10212" x 10224" x 10236" x 10248" x 10260" x 10272" x 10284" x 10296" x 10308" x 10320" x 10332" x 10344" x 10356" x 10368" x 10380" x 10392" x 10404" x 10416" x 10428" x 10440" x 10452" x 10464" x 10476" x 10488" x 10500" x 10512" x 10524" x 10536" x 10548" x 10560" x 10572" x 10584" x 10596" x 10608" x 10620" x 10632" x 10644" x 10656" x 10668" x 10680" x 10692" x 10704" x 10716" x 10728" x 10740" x 10752" x 10764" x 10776" x 10788" x 10800" x 10812" x 10824" x 10836" x 10848" x 10860" x 10872" x 10884" x 10896" x 10908" x 10920" x 10932" x 10944" x 10956" x 10968" x 10980" x 10992" x 11004" x 11016" x 11028" x 11040" x 11052" x 11064" x 11076" x 11088" x 11100" x 11112" x 11124" x 11136" x 11148" x 11160" x 11172" x 11184" x 11196" x 11208" x 11220" x 11232" x 11244" x 11256" x 11268" x 11280" x 11292" x 11304" x 11316" x 11328" x 11340" x 11352" x 11364" x 11376" x 11388" x 11400" x 11412" x 11424" x 11436" x 11448" x 11460" x 11472" x 11484" x 11496" x 11508" x 11520" x 11532" x 11544" x 11556" x 11568" x 11580" x 11592" x 11604" x 11616" x 11628" x 11640" x 11652" x 11664" x 11676" x 11688" x 11700" x 11712" x 11724" x 11736" x 11748" x 11760" x 11772" x 11784" x 11796" x 11808" x 11820" x 11832" x 11844" x 11856" x 11868" x 11880" x 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13224" x 13236" x 13248" x 13260" x 13272" x 13284" x 13296" x 13308" x 13320" x 13332" x 13344" x 13356" x 13368" x 13380" x 13392" x 13404" x 13416" x 13428" x 13440" x 13452" x 13464" x 13476" x 13488" x 13500" x 13512" x 13524" x 13536" x 13548" x 13560" x 13572" x 13584" x 13596" x 13608" x 13620" x 13632" x 13644" x 13656" x 13668" x 13680" x 13692" x 13704" x 13716" x 13728" x 13740" x 13752" x 13764" x 13776" x 13788" x 13800" x 13812" x 13824" x 13836" x 13848" x 13860" x 13872" x 13884" x 13896" x 13908" x 13920" x 13932" x 13944" x 13956" x 13968" x 13980" x 13992" x 14004" x 14016" x 14028" x 14040" x 14052" x 14064" x 14076" x 14088" x 14100" x 14112" x 14124" x 14136" x 14148" x 14160" x 14172" x 14184" x 14196" x 14208" x 14220" x 14232" x 14244" x 14256" x 14268" x 14280" x 14292" x 14304" x 14316" x 14328" x 14340" x 14352" x 14364" x 14376" x 14388" x 14400" x 14412" x 14424" x 14436" x 14448" x 14460" x 14472" x 14484" x 14496" x 14508" x 14520" x 14532" x 14544" x 14556" x 14568" x 14580" x 14592" x 14604" x 14616" x 14628" x 14640" x 14652" x 14664" x 14676" x 14688" x 14700" x 14712" x 14724" x 14736" x 14748" x 14760" x 14772" x 14784" x 14796" x 14808" x 14820" x 14832" x 14844" x 14856" x 14868" x 14880" x 14892" x 14904" x 14916" x 14928" x 14940" x 14952" x 14964" x 14976" x 14988" x 15000" x 15012" x 15024" x 15036" x 15048" x 15060" x 15072" x 15084" x 15096" x 15108" x 15120" x 15132" x 15144" x 15156" x 15168" x 15180" x 15192" x 15204" x 15216" x 15228" x 15240" x 15252" x 15264" x 15276" x 15288" x 15300" x 15312" x 15324" x 15336" x 15348" x 15360" x 15372" x 15384" x 15396" x 15408" x 15420" x 15432" x 15444" x 15456" x 15468" x 15480" x 15492" x 15504" x 15516" x 15528" x 15540" x 15552" x 15564" x 15576" x 15588" x 15600" x 15612" x 15624" x 15636" x 15648" x 15660" x 15672" x 15684" x 15696" x 15708" x 15720" x 15732" x 15744" x 15756" x 15768" x 15780" x 15792" x 15804" x 15816" x 15828" x 15840" x 15852" x 15864" x 15876" x 15888" x 15900" x 15912" x 15924" x 15936" x 15948" x 15960" x 15972" x 15984" x 15996" x 16008" x 16020" x 16032" x 16044" x 16056" x 16068" x 16080" x 16092" x 16104" x 16116" x 16128" x 16140" x 16152" x 16164" x 16176" x 16188" x 16200" x 16212" x 16224" x 16236" x 16248" x 16260" x 16272" x 16284" x 16296" x 16308" x 16320" x 16332" x 16344" x 16356" x 16368" x 16380" x 16392" x 16404" x 16416" x 16428" x 16440" x 16452" x 16464" x 16476" x 16488" x 16500" x 16512" x 16524" x 16536" x 16548" x 16560" x 16572" x 16584" x 16596" x 16608" x 16620" x 16632" x 16644" x 16656" x 16668" x 16680" x 16692" x 16704" x 16716" x 16728" x 16740" x 16752" x 16764" x 16776" x 16788" x 16800" x 16812" x 16824" x 16836" x 16848" x 16860" x 16872" x 16884" x 16896" x 16908" x 16920" x 16932" x 16944" x 16956" x 16968" x 16980" x 16992" x 17004" x 17016" x 17028" x 17040" x 17052" x 17064" x 17076" x 17088" x 17100" x 17112" x 17124" x 17136" x 17148" x 17160" x 17172" x 17184" x 17196" x 17208" x 17220" x 17232" x 17244" x 17256" x 17268" x 17280" x 17292" x 17304" x 17316" x 17328" x 17340" x 17352" x 17364" x 17376" x 17388" x 17400" x 17412" x 17424" x 17436" x 17448" x 17460" x 17472" x 17484" x 17496" x 17508" x 17520" x 17532" x 17544" x 17556" x 17568" x 17580" x 17592" x 17604" x 17616" x 17628" x 17640" x 17652" x 17664" x 17676" x 17688" x 17700" x 17712" x 17724" x 17736" x 17748" x 17760" x 17772" x 17784" x 17796" x 17808" x 17820" x 17832" x 17844" x 17856" x 17868" x 17880" x 17892" x 17904" x 17916" x 17928" x 17940" x 17952" x 17964" x 17976" x 17988" x 18000" x 18012" x 18024" x 18036" x 18048" x 18060" x 18072" x 18084" x 18096" x 18108" x 18120" x 18132" x 18144" x 18156" x 18168" x 18180" x 18192" x 18204" x 18216" x 18228" x 18240" x 18252" x 18264" x 18276" x 18288" x 18300" x 18312" x 18324" x 18336" x 18348" x 18360" x 18372" x 18384" x 18396" x 18408" x 18420" x 18432" x 18444" x 18456" x 18468" x 18480" x 18492" x 18504" x 18516" x 18528" x 18540" x 18552" x 18564" x 18576" x 18588" x 18600" x 18612" x 18624" x 18636" x 18648" x 18660" x 18672" x 18684" x 18696" x 18708" x 18720" x 18732" x 18744" x 18756" x 18768" x 18780" x 18792" x 18804" x 18816" x 18828" x 18840" x 18852" x 18864" x 18876" x 18888" x 18900" x 18912" x 18924" x 18936" x 18948" x 18960" x 18972" x 18984" x 18996" x 19008" x 19020" x 19032" x 19044" x 19056" x 19068" x 19080" x 19092" x 19104" x 19116" x 19128" x 19140" x 19152" x 19164" x 19176" x 19188" x 19200" x 19212" x 19224" x 19236" x 19248" x 19

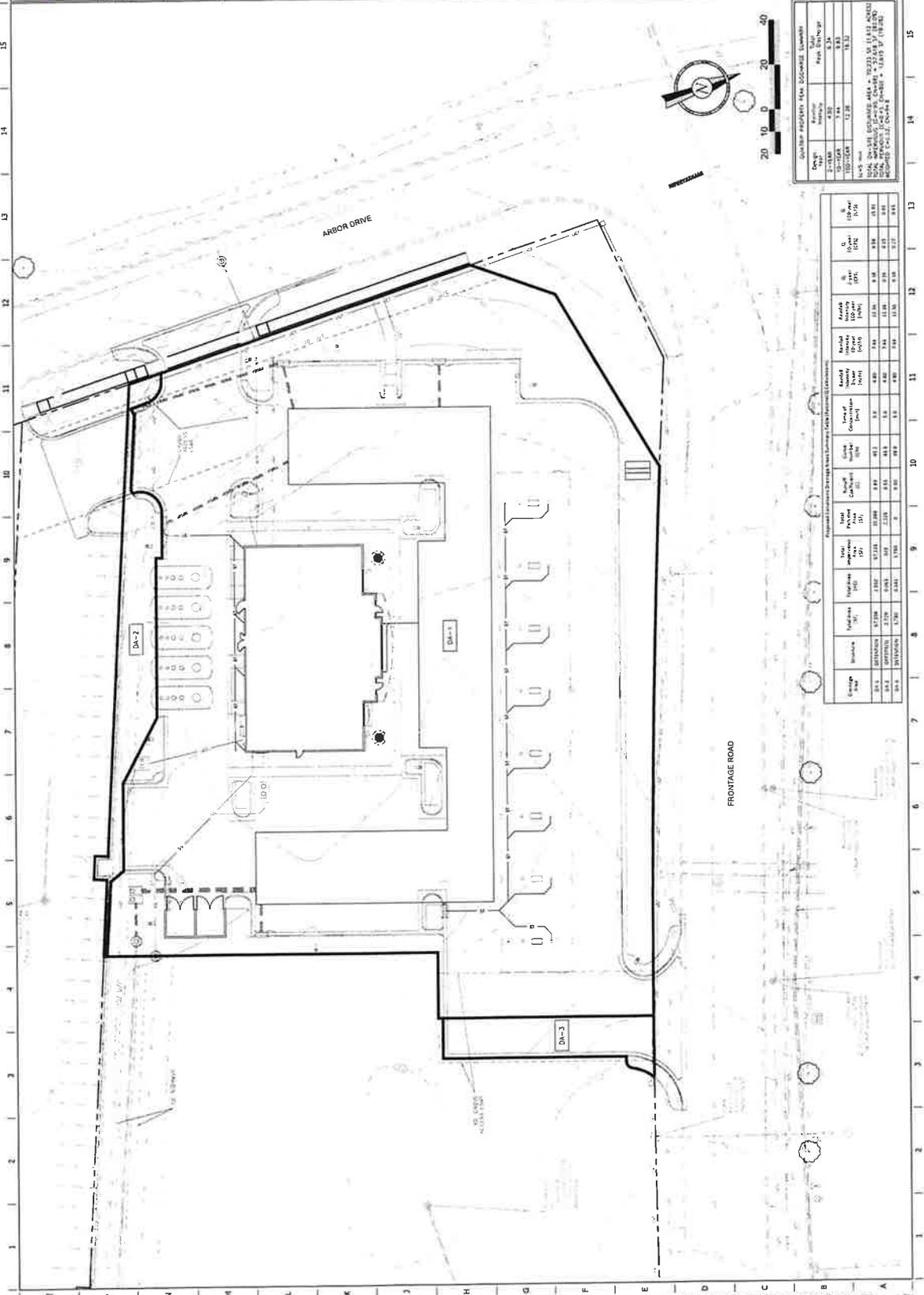
MG
 Michael Design Group
 1111 N. W. 10th St.
 Fort Lauderdale, FL 33304
 (954) 574-1111

QTR
 QUARTER TRIP
 1111 N. W. 10th St.
 Fort Lauderdale, FL 33304
 (954) 574-1111

QuikTrip No. 4423
 ARBOR DRIVE & FRONTAGE ROAD
 ROLLING MEADOWS, COOK COUNTY, IL 60008

PROJECT NO. 111112024
 SHEET NO. C126

ORIGINAL ISSUE DATE: 11/11/2024



QUARTER PROPERTY NEW DISPOSED LANDMARKS

DATE	DESCRIPTION	AREA (SQ. FT.)	PERCENTAGE
11-11-2024	NEW DISPOSED LANDMARKS	12,28	10.33
11-11-2024	NEW DISPOSED LANDMARKS	1,34	1.15
11-11-2024	NEW DISPOSED LANDMARKS	1,34	1.15

TOTAL NEW DISPOSED LANDMARKS AREA = 13,96 SQ. FT.
 TOTAL NEW DISPOSED LANDMARKS PERCENTAGE = 12.63%

Estimated Construction Schedule Data (Based on Construction Schedule)

Activity	Start Date	End Date	Duration (Days)	Predecessors
Site Preparation	11/11/2024	11/11/2024	1	
Foundation	11/11/2024	11/11/2024	1	Site Preparation
Structural Steel	11/11/2024	11/11/2024	1	Foundation
Roofing	11/11/2024	11/11/2024	1	Structural Steel
Interior Finishes	11/11/2024	11/11/2024	1	Roofing
Exterior Finishes	11/11/2024	11/11/2024	1	Roofing
Site Work	11/11/2024	11/11/2024	1	Site Preparation
Final Inspection	11/11/2024	11/11/2024	1	Final Inspection

THE LOCATION OF THE PROPERTY IS SHOWN ON THE MAP. THE MAP IS NOT TO BE USED AS A BASIS FOR ANY OTHER PURPOSES. THE MAP IS NOT TO BE USED AS A BASIS FOR ANY OTHER PURPOSES. THE MAP IS NOT TO BE USED AS A BASIS FOR ANY OTHER PURPOSES.

*QuikTrip Store No. 4423
Arbor Drive & Frontage Road
Rolling Meadows, Illinois 60008*

*Front Center Building Sign
CL-60-F*

24V Max LED

Sign Manufactured in Two (2) Equal Half Sections.

Fabricated Aluminum Wall Sign with Projected Aluminum Channel Letters Internally Illuminated White LED Formed Evonik Cyro SG-7328 Face Panels

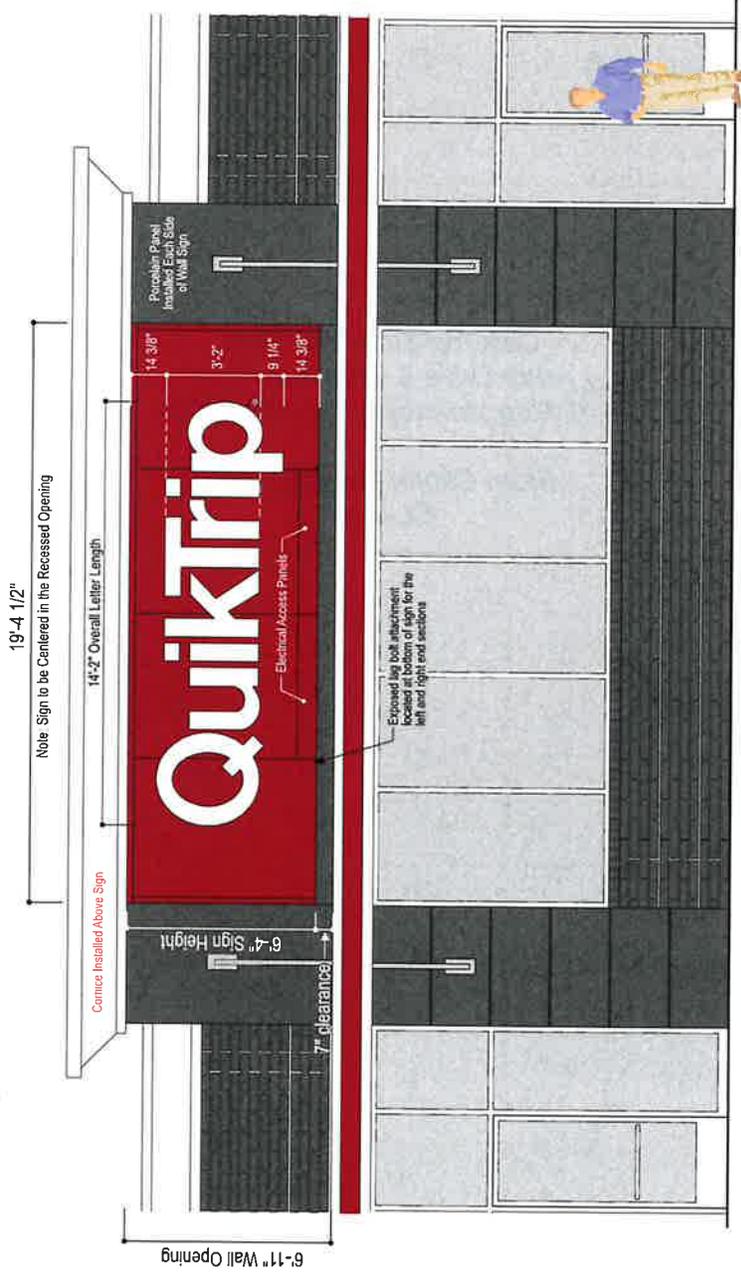


Top View

Gen III Sign Design

Raised Panel Design:
 Two (2) Section Sign Frame with Removable Break Formed Aluminum Face Panels

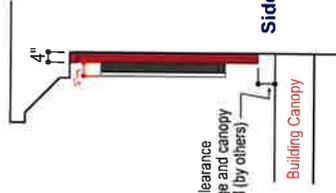
Each of the Two (2) Sign Sections to be installed to the Wall with final electrical connection thru the provided access panels located at the bottom center sign sections.



Front View - Sign Type G3S CL-60-F
Projected Channel Letters with White LED Illuminated Evonik Cyro SG-7328 Faces
 Scale 1/4" = 1'-0"

Maintain 7" of clearance between signage and canopy for roof material (by others)

Side View



COLOR REFERENCE:
 NOTE: AKZO NOBLE PAINT SPECIFIED FOR ALL PAINTED SURFACES

- EMBOSSSED FACE PANELS: TRANSLUCENT WHITE EVONIK CYRO SG-7328 NON-GLARE FINISH
- QT RED: AKZO NOBLE PAINT MATCH 3M CARDINAL RED TRANSLUCENT VINYL #6592-53, SATIN FINISH
- LETTER RETURNS TO BE AKZO NOBLE PAINT MATCH TO BENJAMIN MOORE #2134-30 IRON MOUNTAIN

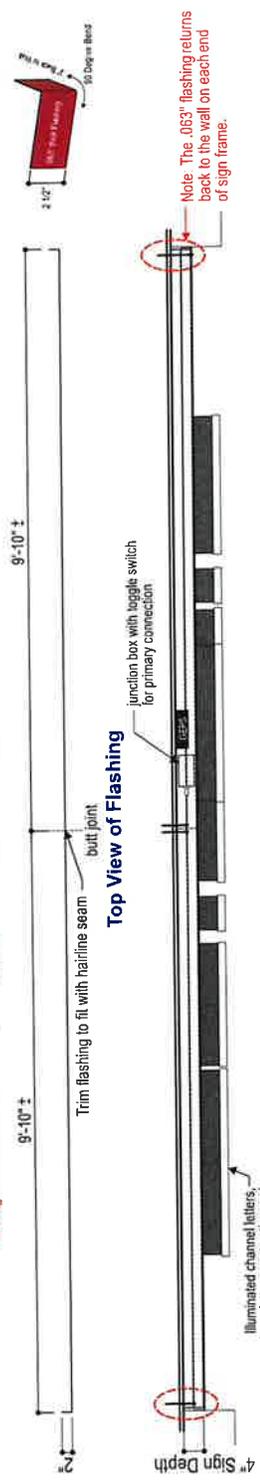


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Client Review Status		Declaration		Date / Description		Project Information	
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Reuse & Resubmit	11/20/17	Issue Data	05/27/16	Revised panel dimensions
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Reuse & Resubmit	12/13/17	Revised for Mat Area & Bush Trk.	05/30/16	Various revisions
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Reuse & Resubmit	02/04/18	Revised size	06/01/16	Various revisions
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Reuse & Resubmit	02/21/18	Corrected detail	01/25/18	Various revisions
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Reuse & Resubmit	03/02/18	Added LED layout		
Name	Date						
				File	QT G3S-CL-60-F	Design	CT
				Sales	Tom Allen		
						PM	James Gentry

G3S CL-60-F Construction Detail

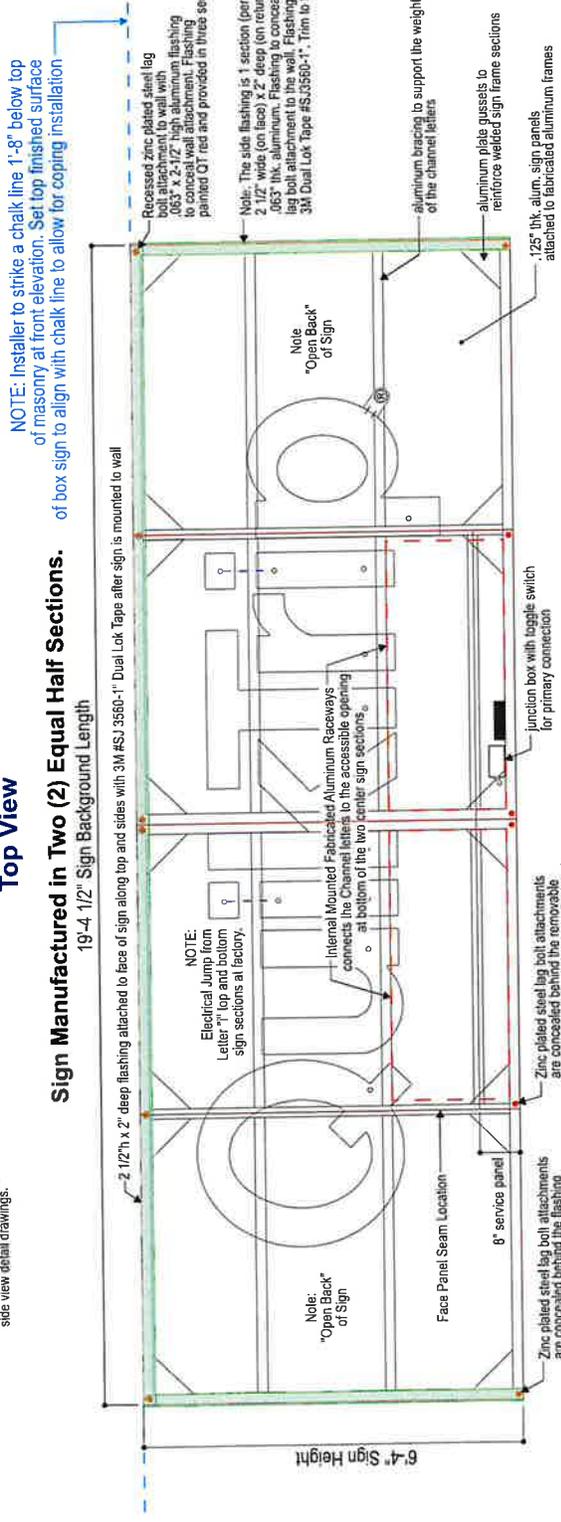
Note: The top flashing is 2 sections of 10'-0" long x 2' return x .063" thick aluminum and breaks back 2" (by installer) to the wall on each end of sign frame. Flashing to conceal the recessed Lag Bolt attachment to the wall. Flashing attached with 3M Dual Lok Tape #SJ3560-1. Trim to fit in field.



Top View

Sign Manufactured in Two (2) Equal Half Sections.

19'-4 1/2" Sign Background Length



Internal fabricated aluminum raceways contain the remote located GE power supplies allowing service access through the removable service doors located at the bottom center sign sections to maintain UL approved construction.

Front View - Sign Type G3S CL-60-F

Scale 1/2" = 1'-0"

Allen Industries to provide lag bolts for sign attachment to plywood covered wall.
 18 Total Qty. - 16 req'd + 2 extra - 3/8" x 6" Steel Lag Bolts

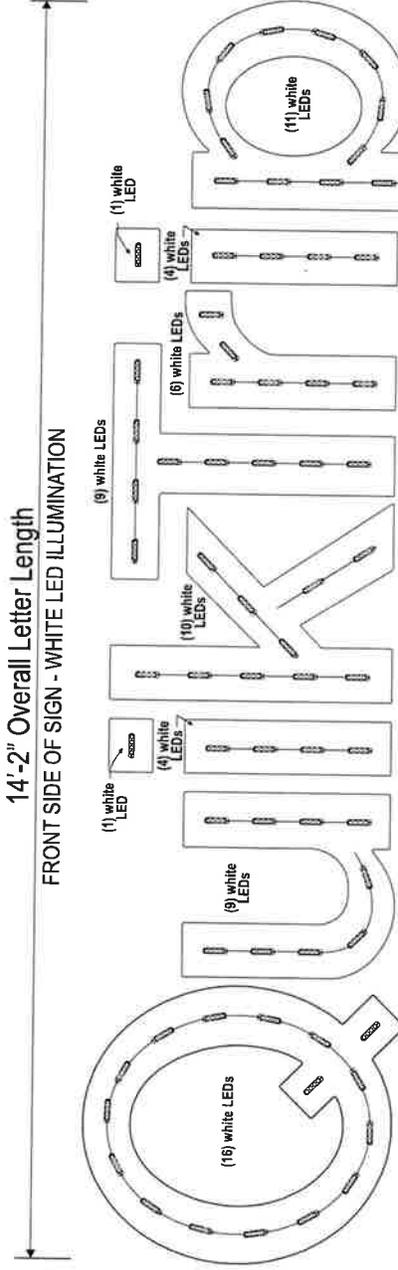


125" alum. bank-formed "L" bracket. Bracket is painted Mountain. Front surface is jammed with #4632-53. White vinyl @ is applied rest vinyl surface.



Client Review Status		Declaration		Date / Description		Project Information	
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved	1/27/17	Issue Date	05/27/18	Revised panel dimensions
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved	12/13/17	Issue Date	05/29/18	Various revisions
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved	02/04/18	Revised size	05/29/18	Various revisions
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved	02/11/18	Revised size	01/25/18	Various revisions
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved	03/07/18	Adapt LED inputs		
Name	Date	Name	Date				
		PH: James Gentry	04/24/17				
		Sales: Tom Allen		Project Information			
		Design: CT		Client: Quik-Trip Corporation - Gen III Exterior Sign Program			
		Sales: Tom Allen		File: QT G3S-CL-40-F			

24V Max LED



White LED Interior Illumination

Scale 3/4" = 1'-0"

- ◆ TOTAL: APP. 71 TOTAL WHITE TETRA MAX LED MODULES
- (1) GEPS24-100U LED Power Supplies

GE TETRA MAX #6EMX2471-W1 7:100K WHITE
 4 LEDs PER MODULE, SPACED 8" ON CENTER,
 100' = 150 MODULES PER PACKAGE
 (CAN CUT BETWEEN EVERY MODULE)
 12 AWG SUPPLY WIRE, 40' MAX. WIRE LIMITS
 GE POWER SUPPLY:
 GEPS24-100U BULBS, MAX. 130 MODULES
 (87 FT. PER POWER SUPPLY)
 ENERGY CONSUMPTION: STRIP: 0.73 W/MODULE
 AMP LOAD = APP. 3 AMPS



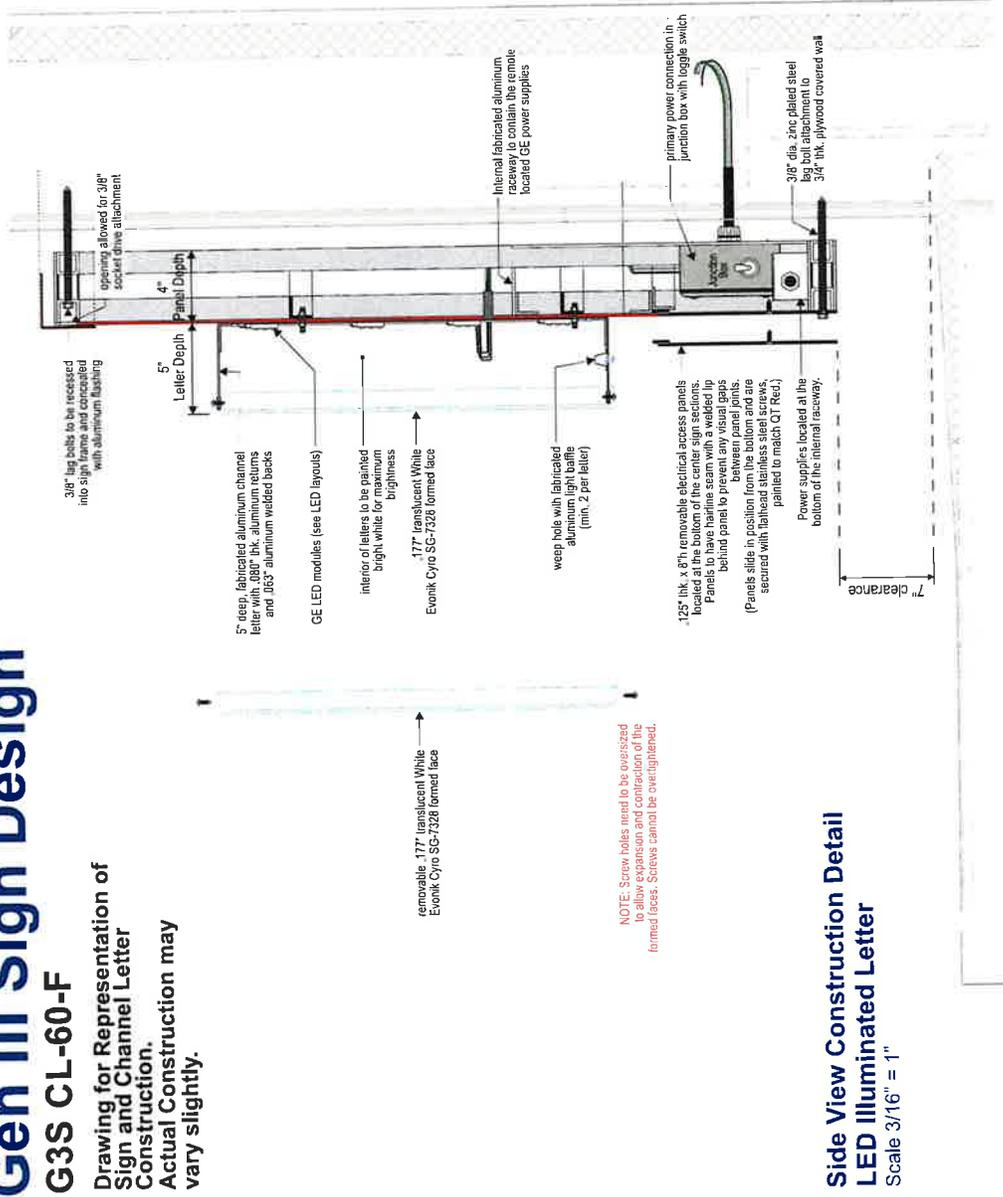
Client Review Status	Declaration	Date / Description	Project Information
<input type="checkbox"/> Approved as Noted <input type="checkbox"/> Approved as Noted <input type="checkbox"/> Revises & Resubmits Name: _____ Title: _____	I hereby declare that the information provided herein is true and correct to the best of my knowledge and belief. I understand that any false or misleading information provided herein may result in the cancellation of this contract and may be subject to legal action.	11/27/17 Initial Date 12/13/17 Revised to full face & flush fit. 02/24/18 Revised size 02/27/18 Connected detail 03/02/18 Added LED layout	Client: QuikTrip Corporation - Gen III Exterior Sign Program File: QT G3S-CL-60-F Sales: Tom Allen Design: CT PM: James Gentry

Gen III Sign Design

G3S CL-60-F

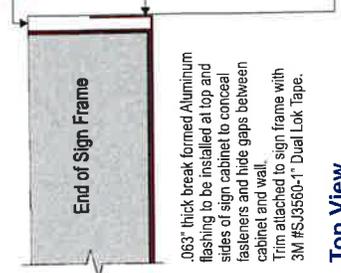
Drawing for Representation of Sign and Channel Letter Construction. Actual Construction may vary slightly.

QT G3S CL-60-F
Building Channel Letters
White Lettering
Page 6 of 6



NOTE: Screw holes need to be oversized to allow expansion and contraction of the formed faces. Screws cannot be overtightened.

Side View Construction Detail
LED Illuminated Letter
Scale 3/16" = 1"



Top View
Top Trim Detail
Scale 1/4" = 1"



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Client/Review Status	Declaration	Date / Description	Project Information
<input type="checkbox"/> Approved <input type="checkbox"/> Approved as Noted <input type="checkbox"/> Review & Resubmit	The Drawing/Design reviewed is the property of Allen Industries, Inc. and is not to be reproduced without the written consent of Allen Industries, Inc. The production, copying, or use thereof is prohibited without written consent. Any infringement will be subject to legal action.	11/27/17 Initial Date 12/13/17 Revised for cut face & bush fits. 02/04/18 Revised size 02/21/18 Connector detail 03/07/18 Added LED by-sub	Client: Quik Trip Corporation - Gen III Exterior Sign Program File: QT G3S-CL-60-F Sales: Tom Allen Design: GT PW: James Gentry
Name: _____ Title: _____	05/27/18 Illuminated panel dimensions 05/30/18 Without trim rods 06/01/18 Without trim rods 07/25/18 Without trim rods		

*QuikTrip Store No. 4423
Arbor Drive & Frontage Road
Rolling Meadows, Illinois 60008*

*Front Outer Building Sign
IDB-20*

**G3S
IDB-20
20SF Building ID Sign**

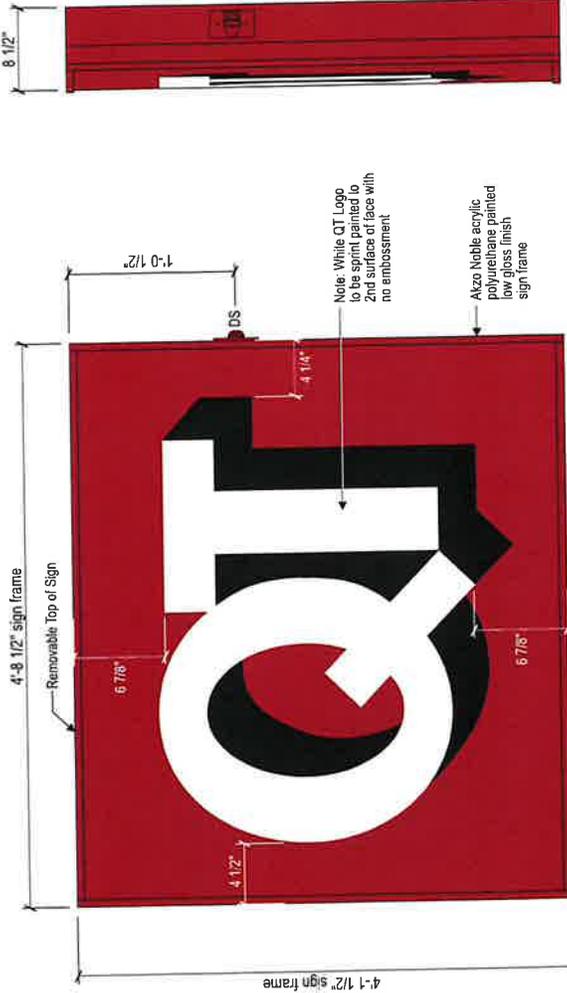
- Flat bowed face panel and 3/4" wide face retainers
- 19.42 SF of Sign Area

Flush Mount to Masonry Wall with Wedge Type Expansion Anchors



Removable Top of Sign for Access to Sign Panel, LED Modules and Attachment Hardware

Top View



Front View - IDB-20 - 20SF Building ID

Scale: 1" = 1'-0"

Side View



G3S COLOR PALETTE



Cyrol - Acrylite Resist 65 .177" thickness, face panels with 2nd surface painted background colors and graphics.

DIRECTIONAL COPY & ARROW COLOR:

Regarding Fabrication Fit & Finish of All QT Signs:
 Y Visible fabrication seams and welded joints are to be sanded smooth, filled and finished to QT specifications.
 Y Any visible fasteners are to be countersunk and have painted heads.
 Y Face retainers must fit flush and have even, minimal seams.
 Y Any variation from this directive must be brought to the attention of the QT Quality Control Manager without delay.



Item #QT-G3S-IDB-20

Project Information

Client: QuikTrip Corporation
 Location: Various

File: QT G3S IDB-20

Project Manager: James Gerby
 Design: CT

Date / Description

08/26/18 Issue Date
 09/07/18 Revised Bldg. Placement

Client Review Status

Note: This drawing is the property of QuikTrip Corporation and Allen Industries. The production, copying, or reuse without written consent will be subject to legal action.

Approved Approved as Noted Revised & Resubmit

Name: _____ Title: _____

Declaration

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**G3S
IDB-20
20SF Building ID Sign**

- Flat bowed face panel and 3/4" wide face retainers
- 19.42 SF of Sign Area

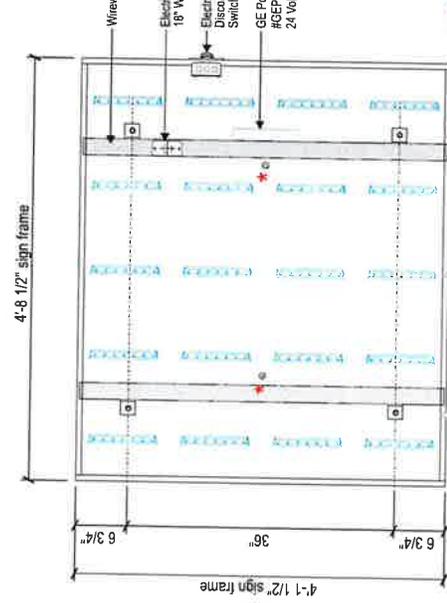
LED Specification

25 ea. GEFS2471-2
1 ea. GEFS24-1000-NA
Total Electrical Amp Load = 1.1 Amps
One (1) 120 Volt - 20 Amp
Circuit Breaker Required for Sign

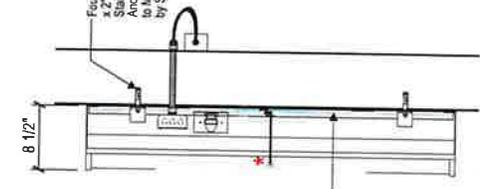
LED DETAIL
AGESS2471-2 24 VOLT SINGLE SIDED
LED Internal Illumination powered by
GE Power Supply #GEFS24-1000-NA
95.7Watts @ 120VAC
Nominal Current 1.1 Amp
Output Current 4.0 Amps Single Output
Note: 35 Modules Max. Load per Power Supply



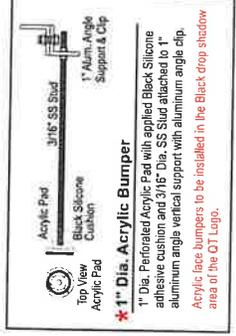
Top View
Scale: 3/4" = 1'-0"



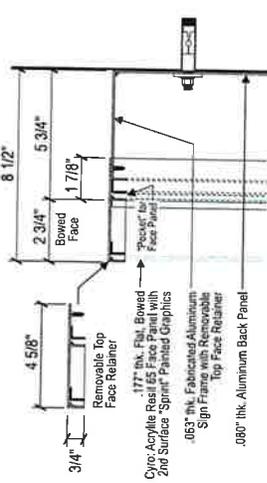
Front View - IDB-20 - 20SF Building ID
Scale: 3/4" = 1'-0"



Side View



Acrylic Pad



Side Section View
Scale: 3/16" = 1"

G3S COLOR PALETTE



DIRECTIONAL COPY & ARROW COLOR:
NIGHT
DK GRAY/DAY - LT. GRAY/NIGHT

Cyro: Acrylic Resin 65 - .177" thickness,
face panels with 2nd surface painted background colors and graphics.

Regarding Fabrication Fit & Finish of All QT Signs:
Y Visible fabrication seams and welded joints are to be sanded smooth, filled and finished to QT specifications.
Y Any visible fasteners are to be countersunk and have painted heads.
Y Face retainers must fit flush and have even, minimal seams.
Y Any variation from this directive must be brought to the attention of the QT Quality Control Manager without delay.



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Allen Industries, Inc. requests that you Approve/Disapprove drawings for release from the client prior to any production release or production release on site.
 Approved Approved as Noted Reuse & Resubmit
Name: _____ Date: _____

File QT G3S IDB-20
Project Manager James Gentry
Design CT
Date / Description 09/27/18 Issue Date
09/07/18 Revised Bldg. Placement

Item # QT-G3S-IDB-20
Project Information
Client Quik Trip Corporation
Location Various

**G3S
IDB-20
20SF Building ID Sign**

- Flat bowed face panel and 3/4" wide face retainers
- 19.42 SF of Sign Area



Building Elevation
Scale: NTS

Item #QT-G3S-IDB-20

Project Information

Client: **QuikTrip Corporation**

Location: **Various**

File: **QT G3S IDB-20**

Project Manager: **James Gentry**

Design: **CT**

Date / Description

09/26/18 Issue Date

09/07/18 Revised Bldg. Placement

Client Review Status

Approved
 Approved & Resubmit
 Approved as Noted
 Revised & Resubmit

Name: _____ Title: _____

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Regarding Fabrication Fit & Finish of All QT Signs:

- Y Visible fabrication seams and welded joints are to be sanded smooth, filled and finished to QT specifications.
- Y Any visible fasteners are to be countersunk and have painted heads.
- Y Face retainers must fit flush and have even, minimal seams.
- Y Any variation from this directive must be brought to the attention of the QT Quality Control Manager without delay.

DIRECTIONAL COPY & ARROW COLOR:

3M DAY/NIGHT VINYL #8333-0171
FILM FOR 2ND SURFACE APPLICATION
OF THE DIRECTIONAL COPY & ARROW
DK GRAY/DAY - LT GRAY / NIGHT

Cyrol Acrylite Resist 65, .177" thickness,
face panels with 2nd surface painted
background colors and graphics.

G3S COLOR PALETTE

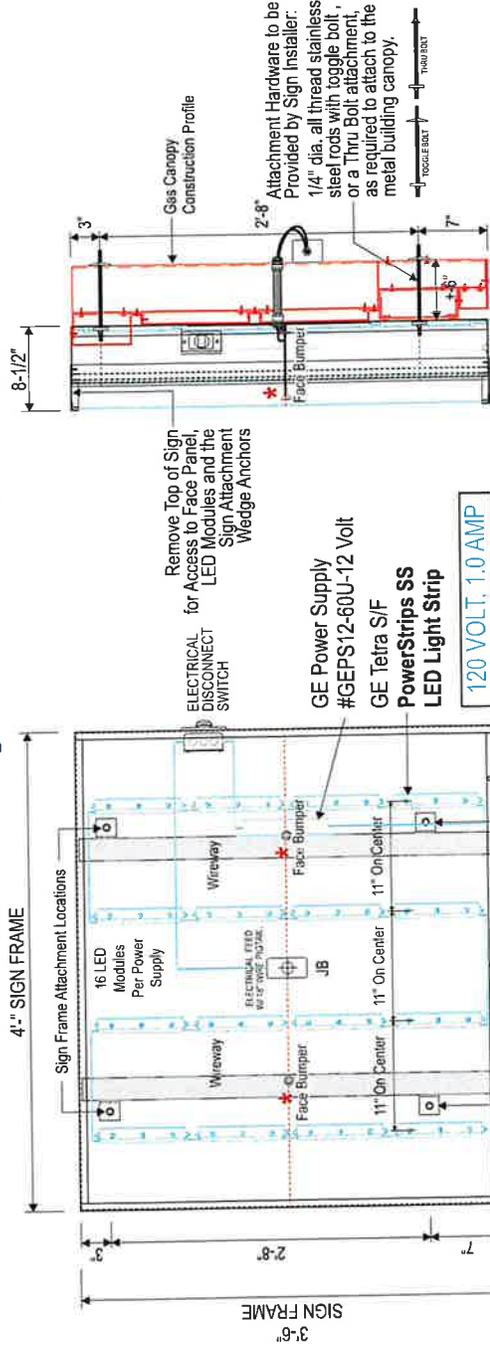
*QuikTrip Store No. 4423
Arbor Drive & Frontage Road
Rolling Meadows, Illinois 60008*

*Canopy Sign
IDC-14*



Side View

Front View - Sign Attachment to Gas Canopy



Side View

Front View - IDC-14 - 14 SF Gas Canopy Identification Sign

Scale 1" = 1'-0"

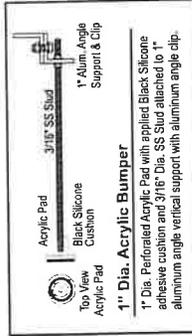
Bid Exhibit

IDC-14

General Sign Details

- The QT Gen3 Sign is a single face canopy mounted sign.
- Sign installed with Four (4) Qty. Stainless Steel All Thread Rods and Toggle Bolts for attachment to Metal Gas Canopy.
- All Attachment Hardware to be Provided by the Sign Installer.
- Electrical Junction Box is provided inside sign for electrical stub-out and connection thru wall.
- Final Electrical Connection to be Made by a Licensed Electrician.

Cyrol: Acrylite Resist 65, .177" thickness, face panels with 2nd surface painted background colors and graphics.



Date / Notes / Comments	
03/09/11	Issue Data
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11/12/12	Sign Placement Specifications by QT

Project Information	
Quik-Trip Corporation	Quik-Trip Corporation - Bid Exhibit
Quik-Trip Sign Program - Bid Exhibit	File: QT_GSK3 IDC-14
Contract	Zach Campbell, et
	Stacy Bolton

*QuikTrip Store No. 4423
Arbor Drive & Frontage Road
Rolling Meadows, Illinois 60008*

*Monument Sign
MH-E2PGQ-CC-38*

QT Logo Cabinet



Item #QT-MH-E2PCQ-CC-38

Project Information

Client: QuikTrip

Location: Various

File: QT-MH-E2PCQ-CC-38

Sales: CT Project Manager: James Gentry

House: CT

Date / Description

01/18/20 Issue Date

02/14/20 Rev. 1

02/28/20 Rev. 2

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▲

Notes

Client Review Status

Allen Industries, Inc. requests that you "Approve" if the sample is acceptable from the client up to any production issues or production.

Approved Approved as Noted Resubmit

Name: _____ Date: _____

Declaration

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All Sign Modules constructed with removable alum. face retainers and clear acrylic, .177" thickness face panels with 2nd surface painted background colors and graphics.

Note: No Embossment

Translucent Graphics Red Background Color to Paint Match 3M Cardinal Red #3632-53 Translucent Vinyl

Color Specifications

All Paint Finishes to be Akzo Nobel

- Translucent White
- Black - Low Gloss
- Matte White (Interior of Sign)
- Match 3M Cardinal Red #3632-53

Regarding Fabrication Fit & Finish of All QT Signs.

- Visible fabrication seams and welded joints are to be sanded smooth, filled and finished to QT specifications.
- Any visible fasteners are to be countersunk and have painted heads.
- Face retainers must fit flush and have even, minimal seams.
- Any variation from this directive must be brought to the attention of the QT Quality Control Manager without delay.



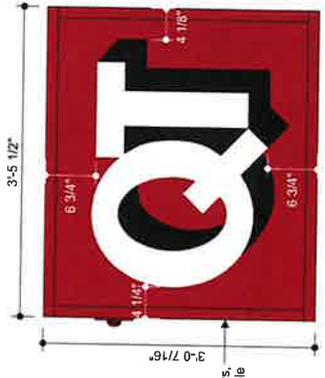
*(2) captured nuts within cabinet at these locations for 1/2" lift bolts



Top View



Side View



Front View - QT Cabinet
Scale: 3/4" = 1'-0"

3/4" retainers only this side to be removable



Bottom View

1/4" dia weep holes
 4" weep hole centers
 9" bolt centers
 inside bottom of each section

GG Insert



Item #QT-MH-EZPGQ-CC-38

Project Information

Client: QuikTrip
Location: Various

File: QT-MH-EZPGQ-CC-38

Sales House: CT
Project Manager: James Gentry

Date / Description

01/18/20 Issue Date
02/14/20 Rev. 1
02/28/20 Rev. 2

- ▲
- ▲
- ▲
- ▲
- ▲
- ▲

Notes

.177" thick clear acrylic face panels with 2nd surface matte background colors and graphics.



Front View - GG Insert

Scale: 1/8" = 1"

Color Specifications

All Paint Finishes to be Akzo Nobel

- Opaque Silver
- Translucent White
- 3M Day/Night Vinyl #3635-0171
- Matte White (Interior of Sign)
- 3M Cardinal Red #3632-53 Translucent Vinyl

Regarding Fabrication, Fit & Finish of All QT Signs:

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- Any visible fasteners are to be countersunk and have painted heads.
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Approved
 Approved as Noted
 Revise & Resubmit

Signature: _____ Date: _____

Declaration

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Item #QT-MH-E2PGQ-CC-38

Project Information

Client: Qwik Trip
 Location: Various

File: QT-MH-E2PGQ-CC-38
 Sales: Project Manager
 House: CT James Gentry
 Design: CT
 Date / Description: Rev. 1
 07/18/20 Issue Date
 07/14/20 Rev. 1
 07/28/20 Rev. 2

Notes

Client Review Status

Approved As Noted Revises & Resubmit

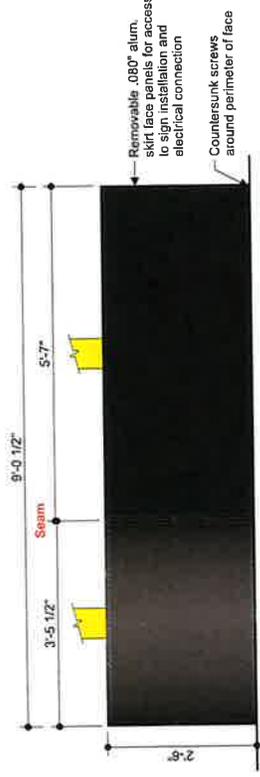
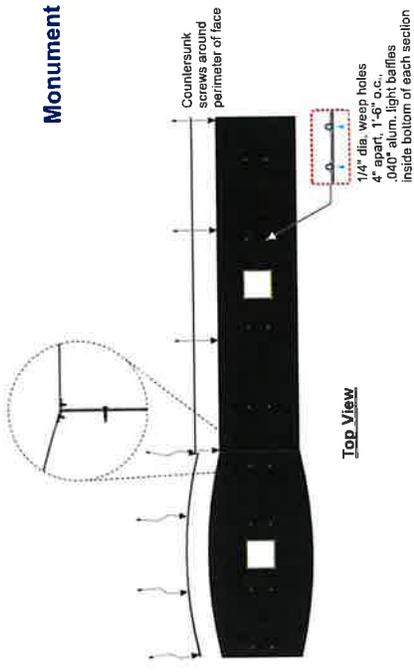
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Monument Base

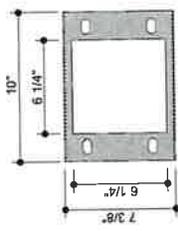


YELLOW INDICATES THE SECTIONS TO BE PROVIDED BY SIGN INSTALLER

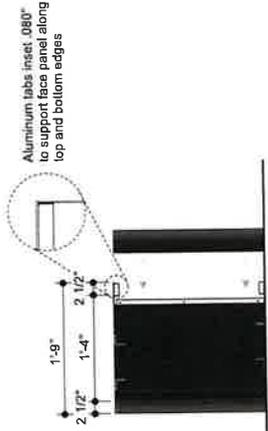
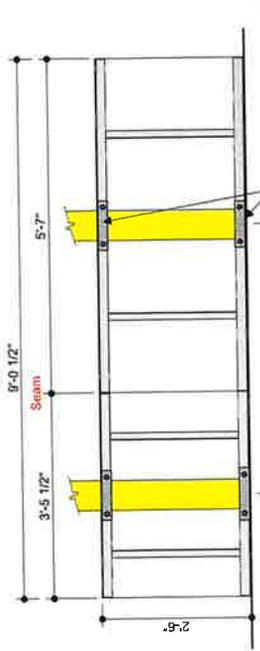
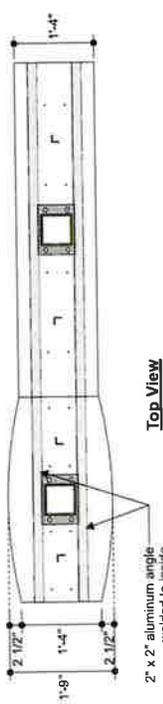
Color Specifications
 All Paint Finishes to be Akzo Nobel
 Opaque Silver
 Black - Low Gloss

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- Any variation from this directive must be brought to the attention of the QT Quality Control Manager without delay.



Steel Saddle Detail
 Scale: 1/8" = 1"



**PRELIMINARY
STORMWATER
DRAINAGE
REPORT**

for

QuikTrip #4423

***Arbor Drive & Frontage Road
Rolling Meadows, Cook County, Illinois 60008***

***Prepared For:
QuikTrip Corporation
50 South Main Street, Suite 200
Naperville, IL 60540***

***Prepared By:
Midwest Design Group
Kansas City
P.O. Box 860015
Shawnee, Kansas 66286-0015
913.248.9385***

ENGINEER'S CERTIFICATION
Stormwater Drainage Report
QuikTrip #4423

Arbor Drive & Frontage Road
Rolling Meadows, Cook County, Illinois 60008

I Hereby Certify that this Engineering Document was prepared by me, or under my direct supervision, and that I am a duly Registered Professional Engineer under the laws of the State of Illinois.

Jonathon Smith

Jonathon Smith, P.E.
Project Manager
IL Registration No. 062-073894

November 11, 2024

Date



Seal

REPORT PURPOSE

This stormwater drainage report has been prepared to analyze and design stormwater management for the QuikTrip #4423 development. The development is to be located west of the E Algonquin Road (IL 62) and IL-53 interchange, Cook County, Illinois. This study will confirm that the proposed development will comply with the design parameters set forth by Rolling Meadows and with the Metropolitan Water Reclamation District (MWRD) of Greater Chicago Watershed Management Ordinance.

PROJECT SUMMARY

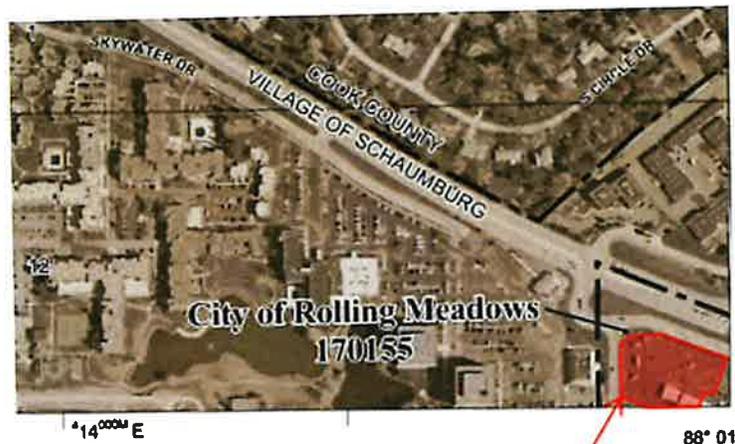
QuikTrip is proposing to build a new convenience store with fuel services in the southeast quadrant of the Arbor Drive and Frontage Road intersection. The property is 1.612 acres and is located in the northeast quarter of Section 12, Township 41 North, Range 10 East in Cook County, Illinois.

WATERSHED

This property lies within the Upper Salt Creek watershed. The nearest receiving waters is a tributary to Salt Creek. Refer to USGS map in the Appendix.

FLOODPLAIN CERTIFICATE

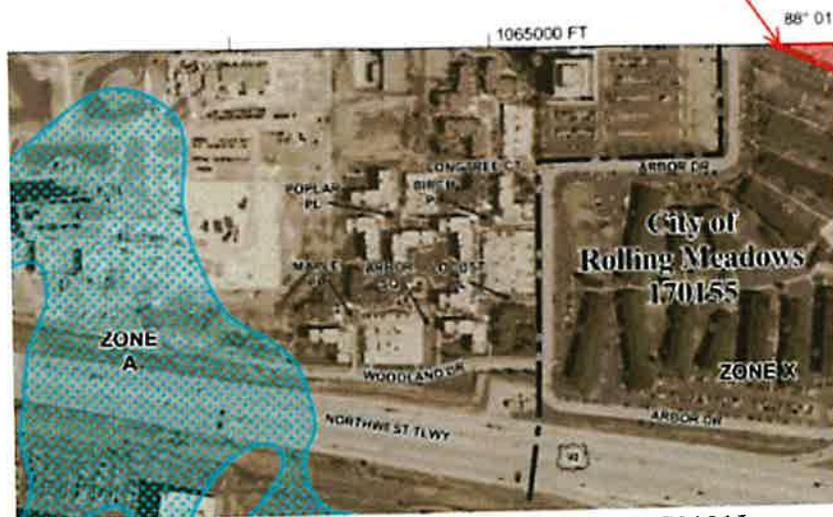
According to the National Flood Insurance Program (NFIP) Flood Insurance Rate Map (FIRM) Panel Nos. 17031C0183J and 17031C0191J, effective August 19, 2008 as published by the Federal Emergency Management Agency (FEMA), the subject property lies within Flood Zone "X", areas determined to outside the 0.2% annual chance floodplain.



Approx. Project Location

Map taken from FIRM Panel Number 17031C0183J

Approx. Project Location



Map taken from FIRM Panel Number 17031C0191J

SITE SOIL CHARACTERISTICS

NRCS Soil groups data for this property are provided below:

805B Orthents, Clayey, Undulating, HSG D



Map taken from USDA/NRCS Soil Survey

NRCS Soils report provided in the Appendix.

WETLANDS

Per the US Fish and Wildlife Service National Wetlands Inventory, there are no wetlands within the project area. Refer to the US Fish and Wildlife Service map in the appendix.

METHODOLOGY

The proposed drainage characteristics of the site were evaluated and analyzed based on the Rolling Meadows and MWRD of Greater Chicago Watershed Management Ordinances. The MWRD Watershed Management Ordinance Calculator spreadsheets were used to calculate detention/retention requirements and to design the outlet control. Runoff curve numbers of 80 for pervious areas and 98 for impervious areas were used. Runoff coefficient numbers of 0.45 for pervious and 0.90 for impervious were used.

EXISTING DEVELOPMENT

The existing property is developed urban land with mostly impervious surfaces, including a multi-tenant, single story commercial building, associated parking lot improvements, and minor pervious greenspaces. The QuikTrip property will be split from the existing commercial property. The QuikTrip property will be bordered on the north by Frontage Road, on the east by the remainder of the existing commercial property, on the south by a parking lot of an adjacent commercial property, and on the west by Arbor Drive.

In the existing conditions, it appears the QuikTrip portion of the property conveys runoff in two directions. A portion of the site is collected by a private storm sewer system and conveyed east to a storm sewer line in the private drive between the existing multi-tenant commercial building and the adjacent restaurant. This private storm sewer line appears to run south through the apartment complex. The remainder of the site appears to drain as sheet flow generally from north to south and drains off-site at the private drive connection with the adjacent south parking lot. It appears this runoff is collected in a private storm sewer system in the parking lot drive and is routed west to an unknown location.

The QuikTrip portion of the existing site has 65,179 sf of impervious areas (92.8%) and 5,054 sf of pervious areas (7.2%). The weighted runoff Curve Number and runoff coefficient for the existing site is 96.7 and 0.87, accordingly. Refer to Pre-Developed Drainage Map in the Appendix for more details.

This project is in an area where the storm and sanitary sewers are separate systems.

PROPOSED DEVELOPMENT

The proposed development will be graded similarly to the existing conditions. Stormwater runoff will be collected in a private storm sewer system that will convey runoff to a detention facility. The detention facility will have a control structure that will convey runoff to the existing private storm sewer system in the southeast corner of the QuikTrip property. This storm sewer runs east to the private storm sewer line through the apartment complex. Minor areas of the site (less than 5% of the QuikTrip property area) will drain uncontrolled, as sheet flow, through the private drive connecting to the parking lot adjacent to the south side of the property or into Frontage Road. The on-site private storm sewer system will be designed to convey the 100-year design storm to the detention facility. The proposed storm sewer system, detention facility, and associated calculations are included in the Appendix.

A post-development Curve Number (CN) was calculated for all drainage areas using the NRCS Soils Report and TR-55 runoff coefficient tables.

The proposed QuikTrip site has 57,618 sf of impervious areas (82.0%) and 12,615 sf of pervious areas (18.0%). Refer to Post-Developed Drainage Map in the Appendix for more details.

DETENTION/VOLUME CONTROL REQUIREMENTS

Per the MWRD of Greater Chicago Watershed Management Ordinance, the 100-year rainfall event release rate for the Upper Salt Creek watershed shall not exceed 0.20 cfs/acre.

The developed area of the QuikTrip site is 1.612 acres with 0.063 acres of unrestricted area. The unrestricted area is 3.9% of the total developed area and thus does not require a reduction in allowable release rate. Therefore, the on-site detention service area is 1.549 acres. However, a portion of the shared drive (1,780 sf) being constructed with the QuikTrip project at the east corner of the property is on the adjacent property but will be included in the detention calculations. This area is not on QuikTrip property and may be part of the future development's drainage design to the east, but with this current design, the runoff from these improvements drains into the QuikTrip storm sewer system. Only the impervious surfaces constructed for the drive has been included in the detention calculations. Therefore, the total detention service area is 1.591 acres, which results in a maximum release rate for the development of approximately 0.32 cfs for the 100-year rainfall event. The total impervious surface used for detention calculations becomes 1.352 ac (57,115 sf [QuikTrip property detained area] + 1,780 sf [off-site shared drive area] = 58,895 sf), which results in a composite CN value of 95.30 using the *CN* tab of the MWRD WMO spreadsheet.

Per the MWRD of Greater Chicago Watershed Management Ordinance, *volume control practices are required to be provided when the impervious area of the development is greater than or equal to 0.10-acre where practicable*. The required volume control volume for this site is 0.109 ac-ft (58,895 sf / 12 in/ft / 43560 sf/ac). Volume control storage of 0.112 ac-ft will be provided through extended detention (retention) within the detention facility by incorporating a 6-inch weir wall within the detention facility, prior to entering the control structure, with a 1.25-inch orifice to release the required volume between 48 and 72 hours.

Per Section 5.4.3.1, Detention Volume Credit for Retention-Based Practices, of the MWRD TGM, storage volume provided within retention-based practices may be credited toward the required detention volume when they are located within the same property holdings as the detention facility. The MWRD WMO calculator's *Adjusted Composite Runoff Curve Number (CN_{adj})* tab was used to determine the CN value for calculating the required detention volume. See Appendix for calculations.

Using the *Orifice* tab of the MWRD WMO spreadsheet, the actual release rate was determined to be 0.28 cfs, based on a 2.50-inch orifice at the invert of the detention facility. This release rate was used to determine the required detention volume. See Appendix for MWRD WMO spreadsheet calculations.

The proposed detention/retention facility has been designed to control peak runoff from the proposed QuikTrip development and to provide the required retention volume on site. Final design calculations are included in the Appendix.

ESTIMATED SEASONAL HIGH GROUNDWATER TABLE (ESHGWT)

A geotechnical report is currently in progress. The Estimated Seasonal High Groundwater Table data is pending.

DOWNSTREAM DRAINAGE IMPACTS

The proposed stormwater detention system will control peak runoff so that there will be no adverse impacts to downstream drainage facilities.

STORMWATER TREATMENT REQUIREMENTS

QuikTrip will install dual SNOUT water quality units will be installed at the detention outlet structure. Bio-skirts will be added to all SNOUT units for oil absorption. Information on these water quality units can be found in the Appendix.

FLOOD STUDY

The QuikTrip #4423 property will be within Zone "X", as shown in the Floodplain Certificate section. This development is not expected to incur damages as a result of flooding.

U.S. ARMY CORPS OF ENGINEERS REQUIREMENTS

The QuikTrip #4423 project will not disturb jurisdictional waters or wetlands of the U.S.

CONCLUSION

The QuikTrip #4423 development will comply with the design parameters set forth by the Rolling Meadows and the Metropolitan Water Reclamation District of Greater Chicago. An on-site stormwater detention facility has been designed to control the peak stormwater runoff from the site. Volume control storage will be provided within the detention facility to meet MWRD volume control requirements. A private stormwater drainage system will convey runoff to the stormwater detention facility. Best Management Practices will include SNOUT units with Bio-Skirts for water quality. No adverse effects are expected on adjacent properties or downstream drainage systems after the proposed improvements are completed.

QuikTrip #4423

*Arbor Drive & Frontage Road
Rolling Meadows, Cook County, Illinois 60008*

APPENDIX

QuikTrip Store #4423

***Arbor Drive & Frontage Road
Rolling Meadows, Cook County, Illinois 60008***

- **Metropolitan Water Reclamation District (MWRD) Watershed Management Ordinance (WMO) Spreadsheet Calculations**
- **Detention Drawdown Calculations**

ADJUSTED COMPOSITE RUNOFF CURVE NUMBER (CN_{ADJ})

PROJECT: QuikTrip No. 4423

PERMIT NUMBER: _____

LOCATION: Arbor Drive & Frontage Road, Rolling Meadows, IL

DATE: 11/7/2024

DEVELOPMENT INFORMATION

1. Area Detained, A	1.591	acres
2. Total Impervious Area	1.352	acres
3. Composite CN	95.30	
4. Volume Control Storage Provided, VC_P	0.126	ac-ft
5. Depth of Rainfall, P	8.57	inches

RUNOFF VOLUME (NRCS EQUATIONS)

6. Maximum Retention, S	$S = \frac{1000}{CN} - 10$	0.49	inches
7. Runoff Depth, Q_D	$Q_D = \frac{(P - 0.2S)^2}{(P + 0.8S)}$	8.01	inches
8. Runoff Volume, V_R	$V_R = Q_D A \left(\frac{1}{12 \frac{in}{ft}} \right)$	1.06	ac-ft

VOLUME CONTROL STORAGE

9. Volume Control Storage Required, VC_R	0.113	ac-ft
10. Additional Volume Control Storage Provided	0.013	ac-ft

ADJUSTED RUNOFF VOLUME

11. Adjusted Runoff Volume, V_{ADJ}	$V_{ADJ} = V_R - VC_P$	0.935	ac-ft
12. Adjusted Runoff Depth, Q_{ADJ}		7.05	inches
13. Adjusted Maximum Retention, S_{ADJ}		1.44	inches

ADJUSTED COMPOSITE RUNOFF CURVE NUMBER

14. Adjusted Runoff Curve Number, CN_{ADJ}	87.41
--	-------

NOMOGRAPH: BULLETIN 75 RAINFALL DATA

PROJECT: QuikTrip No. 4423

PERMIT NUMBER: _____

LOCATION: Arbor Drive & Frontage Road, Rolling Meadows, IL

DATE: 11/7/2024

DEVELOPMENT INFORMATION

1. Detained Area

1.591

acres

2. Curve Number

87.41

3. Actual Release Rate

0.280

cfs

REQUIRED DETENTION VOLUME

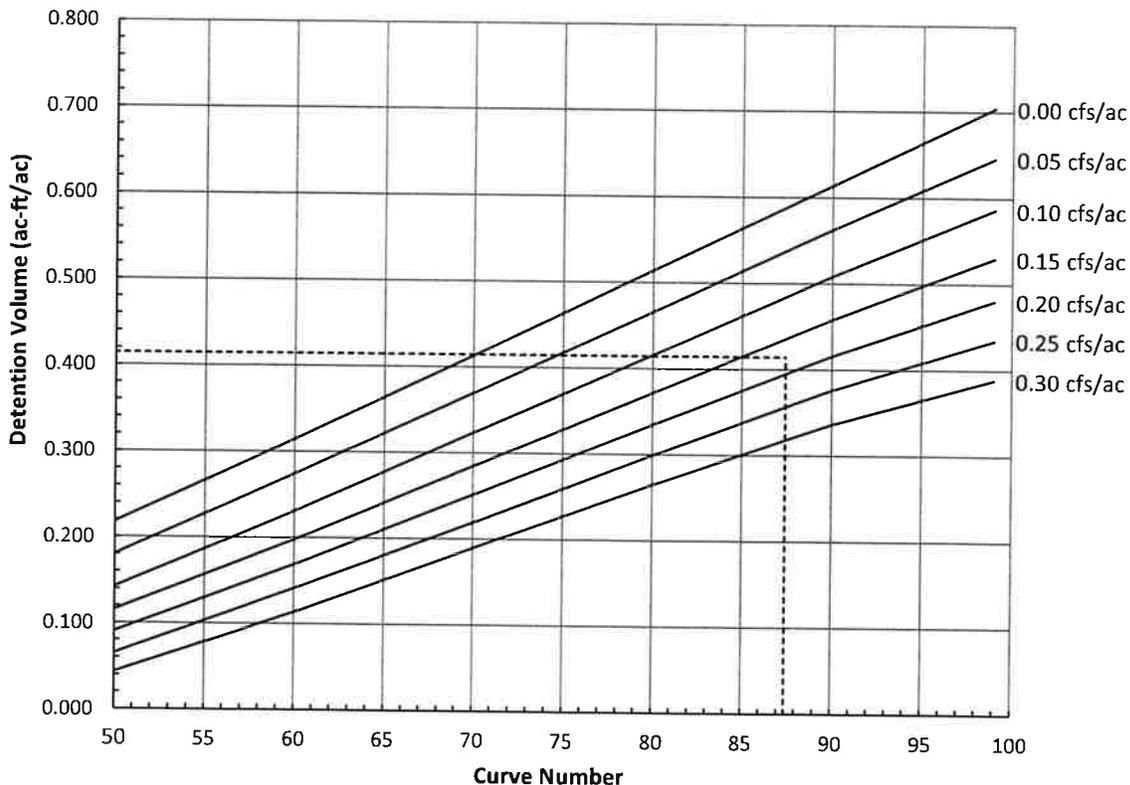
4. Required Detention Volume

0.659

ac-ft

NOMOGRAPH

NOMOGRAPH: BULLETIN 75



ORIFICE DISCHARGE RATE

PROJECT: QuikTrip No. 4423

PERMIT NUMBER: _____

LOCATION: Arbor Drive & Frontage Road, Rolling Meadows, IL

DATE: 11/7/2024

RESTRICTOR INFORMATION

1. Orifice Number	1		2
2. Orifice diameter, d	2.50	in	
3. Discharge Coefficient, C_d	0.61		
4. Invert Elevation	714.25	ft	
5. High Water Elevation, HWL	717.25	ft	
6. Tail Water Elevation	0.00	ft	

ACTUAL RELEASE RATE

6. Free Flow Actual Release Rate at HWL	0.28	cfs	
7. Submerged Actual Release Rate at HWL		cfs	

STAGE-DISCHARGE TABLE CONDITION (SELECT FROM DROP-DOWN)

Free-flow

STAGE-DISCHARGE TABLE

Elevation (ft)	Orifice 1 (cfs)	Orifice 2 (cfs)	Total (cfs)
714.25	0.00		0.00
714.75	0.10		0.10
715.25	0.16		0.16
715.75	0.20		0.20
716.25	0.23		0.23
716.75	0.26		0.26
717.25	0.28		0.28
717.75	0.31		0.31
718.25	0.33		0.33
718.75	0.35		0.35
719.25	0.37		0.37
719.75	0.39		0.39
720.25	0.41		0.41

HWL

STAGE DISCHARGE OF DETENTION BASIN

Primary Outlet (Orifice Flow)

$$Q1 = CA(2GH1)^{.5}$$

- C1 = COEFFICIENT = 0.6
 A = AREA OF OPENING (SF)
 G = ACCELERATION OF GRAVITY = 32.2
 H1 = VERTICAL DISTANCE BETWEEN MID-POINT OF
 OPENING AND TOP OF WATER (FT)

ORIFICE DIAMETER = IN
 A = SF
 FLOWLINE ELEV. 1 = FT

Primary Outlet (Orifice Flow)

$$Q2 = CA(2GH2)^{.5}$$

- C =
 A =
 G =
 H2 =

ORIFICE DIA. = IN
 A = SF
 FL ELEV. 2 = FT

Primary Outlet (Weir Flow)

$$Q3 = C2L(H3 + Va^2/2g)^{1.5}$$

- C2 = COEFFICIENT = 3
 L = PERIMETER OF OPENING FT
 H3 = HEIGHT OF HEAD WATER ABOVE OPENING FT
 Va = APPROACH VELOCITY (FPS)
 G = ACCELERATION OF GRAVITY = 32.2 (FPS)

L = FT
 Va = (FPS)
 FLOWLINE ELEV. 3 = FT

HEADWATER ELEVATION	H1 (FT)	Q1 (CFS)	Q2 (CFS)	Q3 (CFS)	TOTAL Q (CFS)	Drawdown Time	HEADWATER ELEVATION	H2 (FT)	Q2 (CFS)
714.25	0.00	0.00	0.00	0.00	0.00	0.00	714.25	0.00	0.00
714.75	0.45	0.03	0.00	0.00	0.03	49.33	714.75	714.75	0.00
			0.00	0.00	0.00		0.00	0.00	0.00
			0.00	0.00	0.00		0.00	0.00	0.00
			0.00	0.00	0.00		0.00	0.00	0.00
							0.00	0.00	0.00
							0.00	0.00	0.00

AVAILABLE VOLUME DETENTION BASIN

Total Time 49.33 hrs

ELEVATION FT	AREA SF	STORAGE CF	STORAGE CF	STORAGE AC.FT
714.25	9750	0	0	0.000
714.75	9750	4875	4875	0.112
				0.000
				0.000
				0.000

QuikTrip Store #4423

***Arbor Drive & Frontage Road
Rolling Meadows, Cook County, Illinois 60008***

- **NRCS Soils Report**
- **NWI Wetland Map**
- **USGS Map**
- **FEMA Map**

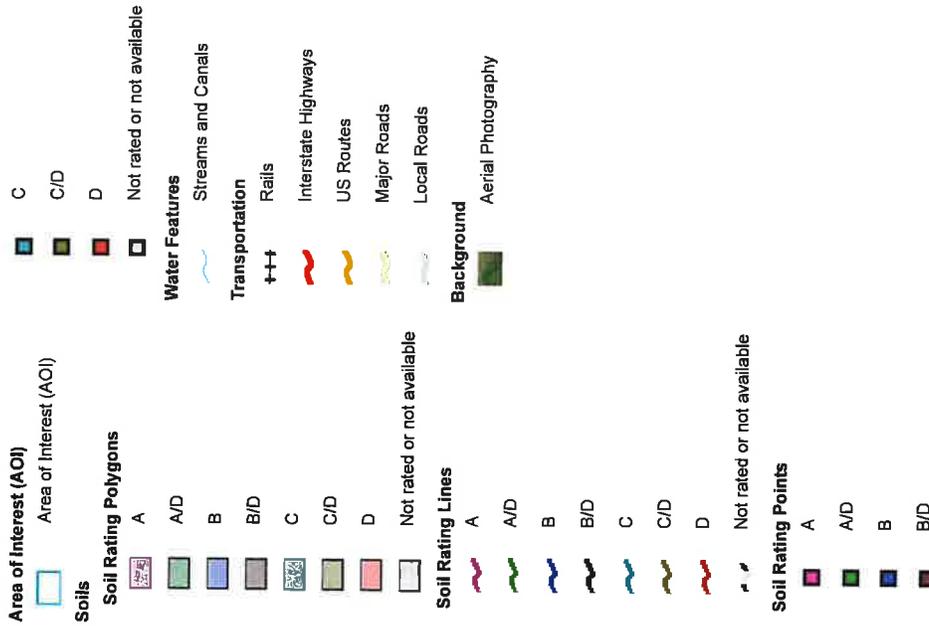
Hydrologic Soil Group—Cook County, Illinois
(QT4423 Rolling Meadows)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

MAP LEGEND



MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Cook County, Illinois
 Survey Area Data: Version 18, Aug 21, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 1, 2023—Sep 1, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres In AOI	Percent of AOI
805B	Orthents, clayey, undulating	D	1.7	100.0%
Totals for Area of Interest			1.7	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher



National Wetlands Inventory

QT4423 Rolling Meadows



November 6, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

QuikTrip Store #4423

***Arbor Drive & Frontage Road
Rolling Meadows, Cook County, Illinois 60008***

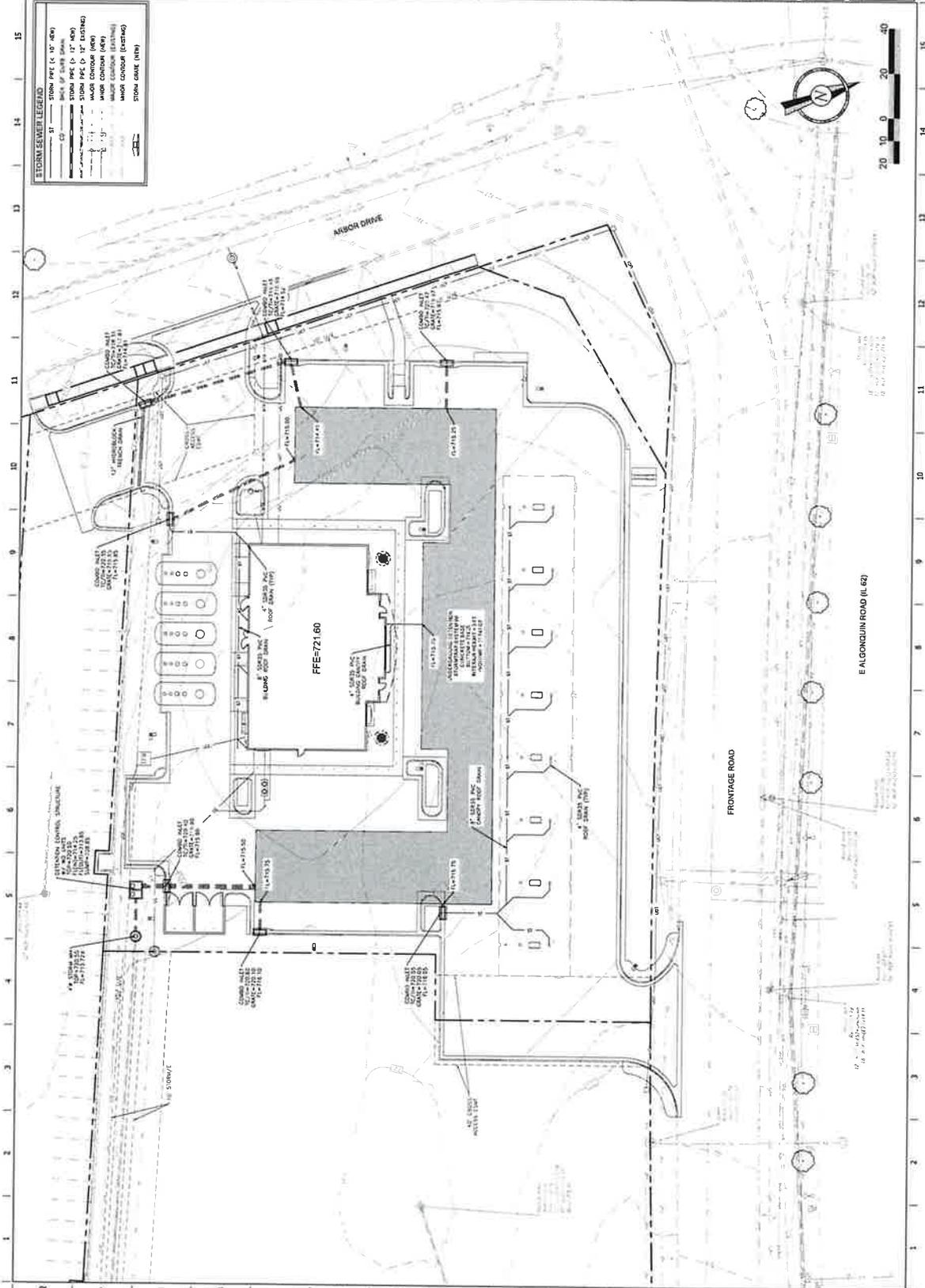
Plan Sheets

 MOG Midwest Design Group	QuitTrip No. 4423 ARBOR DRIVE & FRONTAGE ROAD ROLLING MEADOWS, COOK COUNTY, IL 60008	 ROLLING TRIP INC. 1000 N. ROLLING TRIP ROAD ROLLING TRIP, IL 60008	ORIGINAL ISSUE DATE: 11/11/2024
			SHEET TITLE: PUD PLAN
PROJECT NO. 4423		SHEET NUMBER: C010	



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 MOG Municipal Engineering Group 100 W. Wacker Drive, Suite 1000 Chicago, IL 60601 Tel: 312.462.1000 Fax: 312.462.1001 www.mog.com	QuikTrip No. 4423 ARBOR DRIVE & FRONTAGE ROAD ROLLING MEADOWS, COOK COUNTY, IL 60008	 GFI 100 W. Wacker Drive, Suite 1000 Chicago, IL 60601 Tel: 312.462.1000 Fax: 312.462.1001 www.gfi.com	ORIGINAL ISSUE DATE: 11/11/2024
			SHEET TITLE: PRELIMINARY STORM SEWER PLAN
SHEET NUMBER:			C120



FILE LOCATION: C:\04 20 Proj\0410423 Rolling Meadows 1159-4423 CH0197 140 INLET SWMM USER: JLD SWMS11/11/2024 3:12 PM PLOT: 11/11/2024 3:14 PM



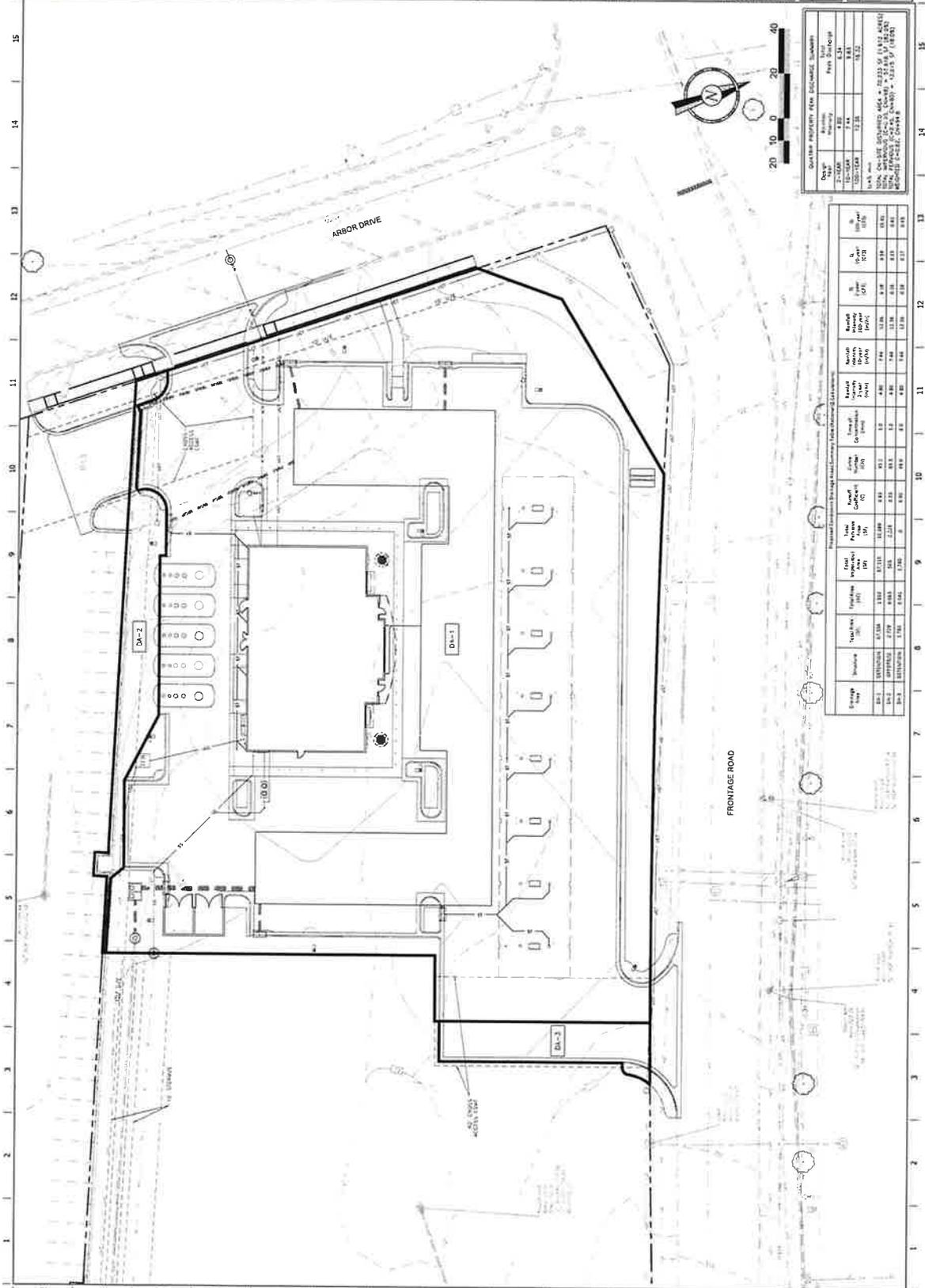


QuikTrip No. 4423
 ARBOR DRIVE & FRONTAGE ROAD
 ROLLING MEADOWS, COOK COUNTY, IL 60008

ORIGINAL ISSUE DATE: 11/11/2024

SHEET TITLE:
 POST-DEVELOPED
 DRAINAGE IMPROVEMENT

SHEET NUMBER:
C126



QUARTER PROPERTY FIRM EXCHANGE SUMMARY

Order #	Quantity	Price	Total Charge
2-21-0006	8.00	1.44	11.52
12-12-1004	1.00	0.00	0.00
12-12-1004	12.00	0.00	0.00
TOTAL	21.00	1.44	11.52

1/4" = 1' SCALE
 DATE: 11/11/2024
 TIME: 10:00 AM
 DRAWN: J. J. JONES
 CHECKED: J. J. JONES
 APPROVED: J. J. JONES

Proposed Drainage Structure Summary Table (Proposed Structure)

Structure Type	Structure	Total Area (sq ft)	Volume (cu ft)	Flow (cfs)	Time of Travel (min)	Time of Concentration (min)	Time of Travel (min)	Volume (cu ft)	Flow (cfs)	Time of Travel (min)	Volume (cu ft)	Flow (cfs)
DA-1	10.00	10.00	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DA-2	10.00	10.00	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
DA-3	10.00	10.00	10.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

FILE LOCATION: C:\20 Projects\4423\Rolling Meadows\4423\4423.dwg
 DATE: 11/11/2024 10:00 AM
 USER: J. J. JONES
 PROJECT: 4423
 SHEET: C126

ENGINEER INFORMATION:

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PROJECT INFORMATION:

SINGLETRAP
DETENTION

CURRENT ISSUE DATE:

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ISSUED FOR:

SAMPLE PROJECT

REV	DATE	ISSUED FOR	APPROVED BY

SCALE:

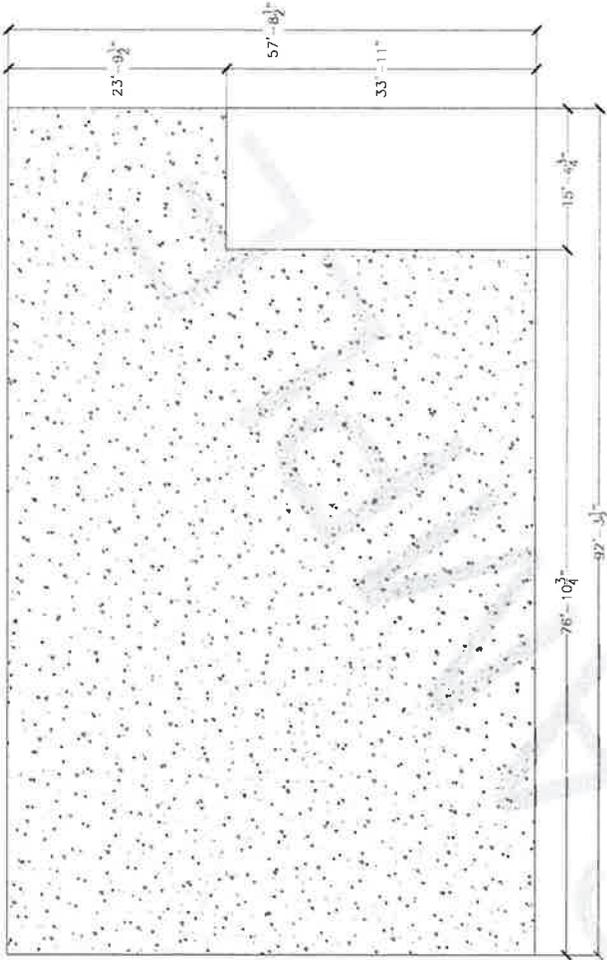
NIS

SHEET TITLE:

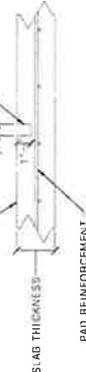
SINGLETRAP FOUNDATION LAYOUT

SHEET NUMBER:

2.1



TOP OF FOUNDATION
SLAB THICKNESS
PAD REINFORCEMENT
CONTROL JOINT TO BE CUT INTO SLAB WITHIN 8 HOURS AFTER SLAB IS POURED



CONTROL JOINT DETAIL

TOP OF FOUNDATION
SLAB THICKNESS
REBAR PLACED IN CENTER OF SLAB



STORMTRAP FOUNDATION DETAIL

MAXIMUM SYSTEM COVER	SLAB THICKNESS	CONCRETE STRENGTH (BOTH DIRECTIONS)	REINFORCEMENT (BOTH DIRECTIONS)
6" - 12"	0' 8"	4000 PSI	#4 @ 18" O C
>1' 0" - 2' 0"	0' 8"	4000 PSI	#4 @ 18" O C
>2' 0" - 3' 0"	0' 8"	4000 PSI	#4 @ 12" O C
>3' 0" - 4' 0"	0' 8"	4000 PSI	#4 @ 12" O C
>4' 0" - 5' 0"	0' 8"	4000 PSI	#5 @ 18" O C
>5' 0" - 6' 0"	0' 8"	4000 PSI	#5 @ 18" O C
>6' 0" - 7' 0"	0' 8"	4000 PSI	#5 @ 16" O C
>7' 0" - 8' 0"	0' 9"	4000 PSI	#5 @ 12" O C
>8' 0" - 9' 0"	0' 10"	4000 PSI	#5 @ 12" O C
>9' 0" - 10' 0"	0' 10"	4500 PSI	#5 @ 12" O C

NOTES:

- 1 CONCRETE STRENGTH @ 28 DAYS 5% - 8% ENTRAINED AIR 4" MAX SLUMP
- 2 NET ALLOWABLE SOIL PRESSURE AS INDICATED ON SHEET 1.0
- 3 SOIL CONDITIONS TO BE VERIFIED ON SITE BY OTHERS
- 4 REBAR: ASTM A 615 GRADE 60, BLACK BAR
- 5 DIMENSION OF FOUNDATION MUST HAVE 1' 0" OVERHANG BEYOND EXTERNAL FACE OF MODULE
- 6 DIMENSION OF STORMTRAP SYSTEM ALLOW FOR A 3/4" GAP BETWEEN EACH MODULE
- 7 ALL DIMENSIONS TO BE VERIFIED IN THE FIELD BY OTHERS
- 8 THE CONTROL JOINTS SHALL BE BETWEEN (IF REQUIRED BY ENGINEER OF RECORD) 16" TO 24" MAX. APART
- 9 SEE SHEET 3.0 FOR INSTALLATION SPECIFICATIONS

